

July 4, 2012

FCC ID : A7RM115A
Model : OBT-01
Applicant : Orion Electric Co Ltd

Request for Limited Modular Transmitter Approval

This BLUETOOTH Module (Model: OBT-01) is designed by Orion Electric Co Ltd.

This modular transmitter is for Audio system. If the equipment which loads this modular transmitter will be supplied, applicant will have test and do the additional application if necessary.

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 transmitters basic requirements]

- (1) Have its own RF shielding: Although this module does not have RF shielding, this modular transmitter will be equipped Audio system, complies with FCC requirements. Please refer to the FCC Test reports and External Photo.
- (2) Have buffered modulation/data inputs: Data input to this modular transmitter is controlled as not generating excessive data speed and abnormal modulation.
- (3) Have its own power supply regulation: This modular transmitter does not have own power supply regulator. The stable voltage (DC3.3V) is constantly provided with the EUT through the regulator installed in the end product.
- (4) Comply with the antenna and transmission system requirements of § 15.203, 15.204(b) and 15.204(c): Antenna is permanently attached to the modular transmitter because it is Inverted F pattern antenna. This modular transmitter will always be used in the configuration in which it was authorized.
- (5) Tested in a stand-alone configuration: The modular transmitter has been performed the testing as a stand alone and then confirmed the compliance.
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: The modular transmitter has not been performed the testing in a stand-alone, has been performed the testing in the Audio system, because this module does not have RF shielding. Therefore this modular transmitter will be equipped only the Audio system. Because this Audio system is AC power, AC power line conducted emission measurements was performed. Please refer to the test report.
- (6) Equipped with either a permanently affixed label or must be capable of electronically displaying its FCC ID:
FCC ID is shown on the label and permanently affixed to this modular transmitter. Please refer to the label drawing.
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: If the FCC ID is not visible, FCC ID will also be displayed on the host device. Please refer to the installation manual.
- (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: The necessary explanation to be complied with this requirement is contained in the manual. Please refer to the installation manual.
- (8) Comply with any applicable RF exposure requirements in its final configuration: The modular transmitter complies with FCC radiation exposure requirement. Please refer to the RF Exposure/SAR Statement.


Shigeto Yamada

MANAGER

RESEARCH AND DEVELOPMENT CENTER EMC · SAFETY

Orion Electric Co., Ltd