

Modular Approval Letter

Company Name: GUANGDONG ICECO ENTERPRISE CO., LTD.

FCC ID: 2ATOGIBS23 is seeking FCC Authorization as a

☒ Single Modular Transmitter

☐ Single Limited Modular Transmitter

The EUT meets the requirements for:

☒ Single Modular Approval

☐ Single Limited Modular Approval

as detailed in KDB 996369. Compliance to each of the requirements is described below:

Modular Approval Requirement	Yes	No	Explanation
(i) 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.	☒	☐	This module has a complete metal shield covering the entire circuit, except for the antenna.
(ii) 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.	☒	☐	It has large Flash and ram, and a complete modem to ensure that the device will comply with Part 15 requirements with any type of input signal.
(iii) The modular transmitter must have its own power supply regulation.	☒	☐	It integrated DCDC (BUCK) and several LDOs internally.
(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). 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.	☒	☐	The module contains a inverted PCB antenna on the board.
(v) The modular transmitter must be tested in a stand-alone configuration	☒	☐	It contains RF PA/LNA and transceiver, and ARM Cortex MO MCU inside; it can realize functions stand alone.
(vi) The modular transmitter must be equipped with either a permanently affixed label or must be capable of electronically displaying its FCC identification number.	☒	☐	A label will be attached to the metal shield of the module.

(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.	☒	☐	This module has good design and uniform quality, it can meet test requirements.
(viii) The modular transmitter must comply with any applicable RF exposure requirements in its final configuration.	☒	☐	It complies with the Zigbee specification, and it has been tested and verified.

Client's signature:

Yanping Liu

Client's name & title: Yanping Liu/Engineer

Contact information / address:

GUANGDONG ICECO ENTERPRISE CO., LTD.

23 Health Rd., National Health Technology Park, Torch Development Zone, Zhongshan, Guangdong, China