

SINO WEALTH ELECTRONIC LTD.

Federal Communications Commission
Equipment Authorization Division
7435 Oakland Mills Road
Columbia, MD 21046
USA

Date: 2022-10-25

Subject: **Modular Transmitter Application**

Company name: SINO WEALTH ELECTRONIC LTD.
FCC ID: 2AOT2SH-BLEM18

Dear Sir/Madam,

This letter includes the FCC application requirements for Modular Transmitter Approval Request for:-

FCC KDB 996369 D01 'Module Certification Guide v02; and
FCC KDB 996369 D03 OEM Manual v01

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Equip Auth Guide v02'. FCC ID 2AOT2SH-BLEM18 has been examined against the following requirements.

| Requirement per 15.212 and KDB 996369 D01 | Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved) |
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| The radio elements must have the radio frequency circuitry shielded. Physical components and tuning capacitor(s) may be located external to the shield, but must be on the module assembly. | This module has a complete metal shield covering the entire circuit, except for the antenna. |
| The module must have buffered modulation/data inputs to ensure that the device will comply with Part 15 requirements with any type of input signal. | 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. |
| The module must contain power supply regulation on the module. | It integrated DCDC (BUCK) and several LDOs internally. |
| The module must contain a permanently attached antenna, or contain a unique antenna connector, and be marketed and operated only with specific antenna(s), per §§ 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b). | The module contains a inverted F antenna on the board. |
| The module must demonstrate compliance in a stand-alone configuration. | It contains RF PA/LNA and transceiver, and ARM Cortex M0 MCU inside; It can realize functions stand alone. |
| The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748). | A label will be attached to the metal shield of the module. |
| The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee. | This module has good design and uniform quality, it can meet test requirements. |

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| The module must comply with RF exposure requirements | It complies with the Bluetooth Low Energy specification, and it has been tested and verified. |
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Integration Instructions for host product manufacturers

The following items are submitted in support of application for Modular Transmitter FCC ID as noted above as required by the FCC KDB 996369 D03 OEM Manual v01.

These items are provided as integration instructions for host product manufacturers (e.g., OEM instruction manual) to use when integrating a module in a host product.

Any requirements that are not applicable to the Module are as indicated below.

Summary of requirements and Checklist. Refer to the KDB for description of the complete requirements;

| KDB Ref Sect | Requirements of KDB 996369 D03 | User Manual Page Number reference |
|--------------|---|-----------------------------------|
| 2.2 | List of applicable FCC rules | 3 |
| 2.3 | Summarize the specific operational use conditions | 2 |
| 2.4 | Limited module procedures | 4 |
| 2.5 | Trace antenna designs | 4 |
| 2.6 | RF exposure considerations | 3 |
| 2.7 | Antennas | 4 |
| 2.8 | Label and compliance information | 4 |
| 2.9 | Information on test modes and additional testing requirements | 4 |
| 2.10 | Additional testing, Part 15 Subpart B disclaimer | 3 |

Signature: Lisa.Duan Date: 2022-11-04
Name: Lisa Duan
Title: Manager
Company: SINO WEALTH ELECTRONIC LTD.