

# Seeed Technology Co., Ltd.

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

Date:

Subject; **Modular Transmitter Application**

**Company name: Seeed Technology Co., Ltd.**  
**FCC ID: Z4T-SESTM32P157**

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 Z4T-SESTM32P157 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)
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.	Have its own RF shielding
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.	Have buffered modulation/data inputs (if such inputs are provided)
The module must contain power supply regulation on the module.	Yes
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).	Meet the antenna requirements of section 15.203
The module must demonstrate compliance in a stand-alone configuration.	Be tested in a stand-alone configuration, i.e., the antenna, AC or DC power and data input/output lines must be connected to the module but, the module must not be inside another case during testing.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Be labeled with its own FCC ID number, and 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.

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The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	The modular transmitter is manufactured so that the user can not influence the operation of the transmitter that will operate outside of the scope of the regulations.
The module must comply with RF exposure requirements	Address compliance with the Commission's RF exposure limits in Sections 1.1310 and 2.1093.

## 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	Page 7
2.3	Summarize the specific operational use conditions	Page 2-6
2.4	Limited module procedures	Page 8
2.5	Trace antenna designs	Page 6
2.6	RF exposure considerations	Page 7
2.7	Antennas	Page 6
2.8	Label and compliance information	Page 8
2.9	Information on test modes and additional testing requirements	Page 8
2.10	Additional testing, Part 15 Subpart B disclaimer	Page 7

Name: Albert Miao

Date: 2020-04-26

Title: R&D Director

Signature of applicant

Albert Miao