

Compex Systems Pte Ltd
(178 Paya Lebar Road #05-05 Singapore 409030)

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

Date: Mar.21,2025

Subject; **Modular Transmitter Application**

Company name: Compex Systems Pte Ltd
FCC ID: TK4WLW518H25

Dear Sir/Madam,

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

FCC KDB 996369 D01 'Module Certification Guide v04r02; and
FCC KDB 996369 D03 OEM Manual v01r01

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Equip Auth Guide v02'. FCC ID: TK4WLW518H25 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.	Yes, The EUT provides the 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.	Yes, The EUT has its buffered modulation. Please see the Schematic Diagram.
The module must contain power supply regulation on the module.	Yes. The EUT has its own power supply regulation. Please see the Schematic Diagram.
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 connects to its antenna using an IPEX connector which is considered a non-standard connector. The antennas tested and approved with this device may be found in user manual provided with the application
The module must demonstrate compliance in a stand-alone configuration.	The module was tested stand-alone as shown in test setup photographs filed with this application
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	There is a label on the module as shown in the labeling exhibit filed with this application. Host specific labeling instructions are shown in the installation manual .filed with this application

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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 module must comply with RF exposure requirements	Yes. The EUT is compliant with RF exposure requirement. RF exposure is addressed in the RF exposure exhibition.

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 v01r01.

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	P6
2.3	Summarize the specific operational use conditions	P6
2.4	Limited module procedures	P6
2.5	Trace antenna designs	P6
2.6	RF exposure considerations	P6
2.7	Antennas	P6
2.8	Label and compliance information	P6
2.9	Information on test modes and additional testing requirements	P6
2.10	Additional testing, Part 15 Subpart B disclaimer	P7
2.11	Note EMI Considerations	P7
2.12	How to make changes	P7

Name: Yaw Thiam Teng

Date: Mar.21,2025

Title: R&D Software Manager

Signature of applicant

