

EDAN INSTRUMENTS, INC.

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

Date: December 11, 2024

Subject; **Modular Transmitter Application**

Company name: Edan Instruments, Inc
FCC ID: SMQMDCEDAN

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: **SMQMDCEDAN** 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.	The module has 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.	The modular has buffered data inputs, it is integrated in chip
The module must contain power supply regulation on the module.	The modular has buffered data inputs, it is integrated in chip
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).	Antenna is independent fixed
The module must demonstrate compliance in a stand-alone configuration.	All power lines derived from the host device are regulated before energizing other circuits internal

The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	The label is independent fixed
The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	compliant with all applicable FCC rules. Detail instructions are given in the Users Manual
The module must comply with RF exposure requirements	approved to comply with the applicable RFexposure requirement, please see the MPE evaluation with 20cm as the distance restriction.

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	15
2.3	Summarize the specific operational use conditions	15
2.4	Limited module procedures	15
2.5	Trace antenna designs	15
2.6	RF exposure considerations	14,15
2.7	Antennas	4,16
2.8	Label and compliance information	17
2.9	Information on test modes and additional testing requirements	15-17
2.10	Additional testing, Part 15 Subpart B disclaimer	15-17

Name: Xia Huanhuan

Date: December 11, 2024

Title: Product Manager

Signature of applicant: Xia Huanhuan