

## &lt; Edan Instruments, Inc &gt;

## Modular Transmitter Approval Request

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

**Company name: Edan Instruments, Inc**  
**FCC ID: SMQALX850BEDAN**

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v01r04'. FCC ID SMQALX850BEDAN has been examined against the following requirements.

Items to be covered by Single modular transmitters.

<b>Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v02</b>	<b>Explanation from Grantee</b> (do not write yes/no, but explain why product complies/how it is achieved)
1. 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, shielded
2. 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 ; All inputs to the modules are buffered through logic or microprocessor inputs
3. The module must contain power supply regulation on the module	Yes ; A low drop out regulator is used for modular power supply regulation.
4. 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 Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	Yes ; Device is equipped with contain a unique antenna connector.
5. The module must demonstrate compliance in a stand-alone configuration	Yes, all test conducted in stand-alone configuration
6. The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	Yes ; The modular has a permanent fixed label, and below statement was listed in the Users Manual;The host device must be labelled to display the FCCID of the module Contains FCC ID: SMQALX850BEDAN
7. The module must comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee	Yes ; The module comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee, Refer to test report and user manual .
8. The module must comply with RF exposure requirements	Yes ; Transmitter meets MPE calculation of 47 CFR 1.1307 . Refer to MPEReports and Refer to modular installation manual

**Name: Huanhuan Xia**

**Date: 2022-03-04**

**Title: Product Manager**

**Signature of applicant**

*Xia Huanhuan*