

Arad Connectivity Co., Ltd.

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

Date:

Subject; **Modular Transmitter Application**

Company name: Arad Connectivity Co., Ltd.
FCC ID: 2BLIDMN52H

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: **2BLIDMN52H** 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, please see exhibition external photos
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 modular has buffer modulation /data inputs
The module must contain power supply regulation on the module.	Yes, please see the schem.pdf
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).	Yes, The requirements of antenna connector and spurious emission have been fulfilled. Please refer to the test report exhibition.
The module must demonstrate compliance in a stand-alone configuration.	Yes, Please refer to the setup photo exhibition for the stand-alone configuration
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Yes, The Module will be label with its own FCC ID, and the instruction on the labelling rule of the end product has been stated in the user manual of this module .please refer to the label and user manual exhibition.
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 required FCC rule has been fulfilled and all the instruction for maintaining compliance have been clearly stated in the user manual.

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The module must comply with RF exposure requirements	Yes, Please refer exhibition RF exposure for the compliance of MPE RF exposure rule.
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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	Page 17-18
2.3	Summarize the specific operational use conditions	Page 17-18
2.4	Limited module procedures	Page 17-18
2.5	Trace antenna designs	Page 17-18
2.6	RF exposure considerations	Page 17-18
2.7	Antennas	Page 17-18
2.8	Label and compliance information	Page 17-18
2.9	Information on test modes and additional testing requirements	Page 17-18
2.10	Additional testing, Part 15 Subpart B disclaimer	Page 17-18

Name: Arthur Yang

Date: April 29, 2025

Title: Product Manager

Signature of applicant

