

Thortron TechnologyIncorporation Co.,Ltd.

Federal Communications Commission
Equipment AuthorizationDivision
7435 OaklandMillsRoad
Columbia,MD 21046
USA

Date:

Subject:**Modular Transmitter Application**

Company name: Thortron TechnologyIncorporation Co.,
Ltd.**FCCID:**2BDDW-BLM8723DS1

Dear Sir/Madam,

This letter includes the FCC applicationrequirements forModular Transmitter ApprovalRequest for:-

FCCKDB 996369D01 'Module Certification Guide v02; and
FCCKDB 996369D03 OEMManual v01

Inaccordancewith47CFR15.212ModularTransmittersandKDB996369D01 'ModuleEquipAuth Guide v02'. FCC ID 2BDDW-BLM8723DS1 has been examinedagainst the following requirements.

Requirementper 15.212 andKDB 996369D01	Explanation from Grantee (do not write yes/no, but explain why productcomplies/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, there is a shield
The module must have bufferedmodulation/datainputs to ensure that the device will comply withPart15 requirements with any typeof inputsignal.	Yes. All inputs to the modules are bufferedthrough logic or microprocessor inputs.
The module must contain power supply regulationon themodule.	Yes, A low drop out regulator isused formodular power supply regulation.
The module must contain a permanently attachedantenna, or contain aunique antenna connector, and be marketedand operated only with specific antenna(s), per §§15.203,15.204(b),15.204(c),15.212(a), 2.929(b).	No, the modulewithoutantenna.
The module must demonstrate compliance in astand-aloneconfiguration.	No,The module was not tested in stand-alone configuration – it was tested in the Host.
The module must be labeled withitspermanently affixedFCCIDlabel, or use an electronic display(see KDBPublication784748).	Yes ,The modular has apermanent fixed label. and below statement was listed in the User Manual: The host device must be labeledto display the FCCID of the module ContainsFCC ID:2BDDW-BLM8723DS1
The module must comply with all specificrules applicable to the transmitter, including all the conditions provided in theintegration instructions by the grantee.	Yes.The module comply with all specific rulesapplicable to the transmitter including all theconditions provided in the integration instructions by the grantee, Refer to test reportand usermanual

The module must comply with RF exposure requirements	Yes, Transmitter meets MPE calculation of 47 CFR 1.1307. Refer to MPE Reports and Ref to modular installation manual
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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 996369D03 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 areas indicated below.

Summary of requirements and Checklist. Refer to the KDB for description of the complete requirements;

KDB Ref Sect	Requirements of KDB 996369D03	User Manual Page Number Reference
2.2	List of applicable FCC rules	16
2.3	Summarize the specific operational use conditions	16
2.4	Limited module procedures	3
2.5	Trace antenna designs	16
2.6	RF exposure considerations	8
2.7	Antennas	16
2.8	Label and compliance information	16
2.9	Information on test modes and additional testing requirements	16
2.10	Additional testing, Part 15 Subpart B disclaimer	16

Name: YiHsiang Wang

Date: 2023.11.01

Title: Project Manager

Signature of applicant *Yi Hsiang Wang*