

MEGA SYSTEM TECHNOLOGIES, INC.

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

Date:

Subject; **Modular Transmitter Application**

Company name: MEGA SYSTEM TECHNOLOGIES, INC.
FCC ID:2A3GV-MSTWBM08

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:2A3GV-MSTWBM08 has been examined against the following requirements.

Requirement per 15.212 and KDB 996369 D01	Yes/No	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 module have a RFshielding.
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 module has it's own buffered modulation/data inputsunit.
The module must contain power supply regulation on the module.	yes	The module has a power supply circuitry.
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 module has a permanently antenna.
The module must demonstrate compliance in a stand-alone configuration.	yes	The module compliance astand-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 label is paste on the shield of the module.
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 compliance all conditions provided in the integration instructions by the grantee.

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The module must comply with RF exposure requirements	yes	The module compliance with RF exposure requirements
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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 27
2.3	Summarize the specific operational use conditions	Page 27
2.4	Limited module procedures	Not applicable
2.5	Trace antenna designs	Not applicable
2.6	RF exposure considerations	Page 27
2.7	Antennas	Page 28
2.8	Label and compliance information	Page 28
2.9	Information on test modes and additional testing requirements	Page 28
2.10	Additional testing, Part 15 Subpart B disclaimer	Page 28

Name: **XiaohuHuang**

Date: **2021-11-03**

Title: **Engineer**

Signature of applicant:

