



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

Date: November 23, 2022

Subject; **Modular Transmitter Application**

Company name: Drum Workshop
FCC ID: 2A9KBDLM191695

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 2A9KBDLM191695 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 RF Section of the module is under a sealed metal shield and can be viewed in the Assembly Documentation for the DWE-DLM1 PCBA to Host PCBA instructions.
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 input data signals connect to an MCU and is further described in the Theory of Operation and Block Diagram
The module must contain power supply regulation on the module.	The RFIC has a built-in regulator
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).	This module has 2 antennas. One is a chip antenna and the second antenna is a wire antenna Pictures of these antenna can be seen on page 2 of the DWE-DLM1 PCBA assembly instructions
The module must demonstrate compliance in a stand-alone configuration.	Module was tested with external input from host device
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Each host product will contain the words "Contains FCC ID 2A9KBDLM191695" and be affixed with a permanent label. A sample of this label can be seen as a sample document that was submitted as part of the FCC application paperwork. A letter of exemption



	for labeling has also been submitted due to the size and location 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.	The module does not allow any access to the MCU that contains the RF parameters
The module must comply with RF exposure requirements	Please see RFXP01-U3 DLM FCC MPE report that meets the RF exposure requirements

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 1 of the DWE Host User Guide and page 1 of DWE-DLM1 PCBA assembly instruction to the Host PCBA.
2.3	Summarize the specific operational use conditions	Page 1 of the DWE-DLM1 PCBA assembly instruction. This module is only approved for use by the grantee in its own products and is not intended for sale to third parties.
2.4	Limited module procedures	Same as stated above
2.5	Trace antenna designs	N/A
2.6	RF exposure considerations	MPE reports were completed
2.7	Antennas	Page 2 of the DWE-DLM1 PCBA assembly instruction
2.8	Label and compliance information	Labels will be placed in a visible area on the host that will have "Contains Module FCC ID 2A9KBDLM191695" This label will also be listed in the final product manual.
2.9	Information on test modes and additional testing requirements	This module is only approved for use by the grantee in its own products and is not intended for sale to third parties. All compliance testing has been done at an approved lab for all intended



		host of this module.
2.10	Additional testing, Part 15 Subpart B disclaimer	Page 1 of the DWE Host User Guide.

Name: Dave Coons **Date:**

Title: VP of Technology Development

Signature of applicant

A handwritten signature in black ink that reads "Dave E. Coons". The signature is written in a cursive style with a long horizontal flourish at the end.