

# CERAGEM CO., LTD.

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

Date: December 13, 2021

Subject: **Modular Transmitter Application**

**Company name: CERAGEM CO., LTD.**  
**FCC ID: 2A3VY-SQ310**

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 **2A3VY-SQ310** 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. The EUT provides the RF Shielding. See EUT Photo.
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 EUT has its buffered modulation. Please, see the Schematic Diagram.
The module must contain power supply regulation on the module.	Yes. The EUT has its own power supply regulation. Please, see the Schematic Diagram.
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 EUT meets the FCC antenna requirements; unique antenna connector and photo of antenna are shown in the test report.
The module must demonstrate compliance in a stand-alone configuration.	Yes. The EUT was tested with a test board, Please, see test report and setup photo.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Yes. Users manual, there are instructions give to the OEM on how to label the end product.
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 EUT is compliant with all applicable FCC rules. Details instructions for maintaining compliance are give in the User Manual.
The module must comply with RF exposure requirements	Yes. The EUT complies with RF exposure requirement.

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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	
2.3	Summarize the specific operational use conditions	
2.4	Limited module procedures	
2.5	Trace antenna designs	
2.6	RF exposure considerations	
2.7	Antennas	
2.8	Label and compliance information	
2.9	Information on test modes and additional testing requirements	
2.10	Additional testing, Part 15 Subpart B disclaimer	

Name: HYEONGGEUN HWANG

Date: December 13, 2021

Title: Manager

Signature of applicant

