

Geoplan Co.,Ltd.

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

Date: August 19, 2021

Subject; **Modular Transmitter Application**

Company name:
FCC ID: 2ASPN-GEO-MB310

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 2ASPN-GEO-MB310 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, it is fulfilled. The modular transmitter has its own shielding.
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 buffered data inputs, it is integrated in chip QPG6100
The module must contain power supply regulation on the module.	Yes, it is fulfilled. modular transmitter have its own power supply regulation.
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).	No, The EUT has no antenna. Antenna placement and grounding are installed by professional installers.
The module must demonstrate compliance in a stand-alone configuration.	Yes, it is fulfilled. The modular was tested in a 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, it is fulfilled. The label is shown on transmitter modular
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, it is fulfilled. The operation description and user guide provide this detail.
The module must comply with RF exposure requirements	Yes, it is fulfilled. The modular is exempted due to its low field strength.

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	9 Page
2.3	Summarize the specific operational use conditions	9 Page
2.4	Limited module procedures	9 Page
2.5	Trace antenna designs	10 Page
2.6	RF exposure considerations	10 Page
2.7	Antennas	11 Page
2.8	Label and compliance information	11 Page
2.9	Information on test modes and additional testing requirements	11 Page
2.10	Additional testing, Part 15 Subpart B disclaimer	11 Page

Name: Youngha Shin Date: August 19, 2021

Title: Principal Research Engineer

Signature of applicant

