

WiFiRanger, A LinOra Company

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

Date: 06/05/2020

Subject: **Modular Transmitter Application**

Company name: WiFiRanger, A LinOra Company
FCC ID: 2AWG9-EVEREST

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 2AWG9-EVEREST 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 has a shield
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 modular data inputs are buffered through log or microcontroller connections. All modulation and data inputs are buffered by circuitry on the transmitter chip.
The module must contain power supply regulation on the module.	Yes, Power supply regulation is provided by circuitry on the CPU chip.
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).	The EUT meet the FCC antenna requirements, the modular with a special joint antenna connector.
The module must demonstrate compliance in a stand-alone configuration.	Yes, The EUT is can transmitting Stand-alone, please refer the test setup photos.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	The module is labeled with its permanently affixed FCC ID label. The label position is clearly indicated. Please refer to label & label location information.
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 full compliant with FCC rules, please refer the details in user manual.

The module must comply with RF exposure requirements	This module is complies with FCC CFR 47 part 2.1091 and FCC KDB 447498 D01 General RF Exposure Guidance v06 limit , Please refer RF exposure report.
--	--

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 7
2.3	Summarize the specific operational use conditions	Page 7
2.4	Limited module procedures	Page 7
2.5	Trace antenna designs	Page 8
2.6	RF exposure considerations	Page 8
2.7	Antennas	Page 9
2.8	Label and compliance information	Page 9
2.9	Information on test modes and additional testing requirements	Page 9
2.10	Additional testing, Part 15 Subpart B disclaimer	Page 9

Name: Kelly Hogan

Date: 06/05/2020

Title: Manager

Signature of applicant:

