

<Temolin Technology, Inc>

Modular Transmitter Approval Request

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

Company name: Temolin Technology, Inc
FCC ID: 2AM5I-M101C

Gentlemen,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Certification Guide v01r04'. FCC ID 2AM5I-M101C has been examined against the following requirements.

Items to be covered by Single modular transmitters.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v02	Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved)
1. 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, shielded
2. 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 ; All inputs to the modules are buffered through logic or microprocessor inputs
3. The module must contain power supply regulation on the module	Yes ; A low drop out regulator is used for modular power supply regulation.
4. 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 Sections 15.203, 15.204(b), 15.204(c), 15.212(a), 2.929(b)	Yes ; Device is equipped with contain a unique antenna connector.
5. The module must demonstrate compliance in a stand-alone configuration	Yes, all test conducted in stand-alone configuration
6. The module must be labelled with its permanently affixed FCC ID label, or use an electronic display (See KDB Publication 784748 about labelling requirements)	Yes ; The modular has a permanent fixed label, and below statement was listed in the Users Manual;The host device must be labelled to display the FCCID of the module Contains FCC ID: 2AM5I-M101C
7. 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 comply with all specific rules applicable to the transmitter including all the conditions provided in the integration instructions by the grantee, Refer to test report and user manual .
8. The module must comply with RF exposure requirements	Yes ; Transmitter meets MPE calculation of 47 CFR 1.1307 . Refer to MPEReports and Refer to modular installation manual

Items to be covered by Split modular transmitters.

Requirement per 15.212 and KDB 996369 D01 'Modular Certification Guide v02	Explanation from Grantee (do not write yes/no, but explain why product complies/how it is achieved)
9. Split modular transmitters must meet all the requirements of a single modular in above item1 and 5 for single modular approval requirements.	Yes; All requirements for a single module in items 1 and 5 above have been met.
10. Only the radio front end must be shielded. The physical crystal and tuning capacitors may be located external to the shielded radio elements. The interface between the split sections of the modular system must be digital with a minimum signaling amplitude of 150 mV peak-to-peak.	Yes; Shielding meets requirements, modular system is digital interface
11. Control information and other data may be exchanged between the transmitter control elements and radio front end.	Yes; Control information and data can be switched
12. The sections of a split modular transmitter must be tested installed in a host device(s) similar to that which is representative of the platform(s) intended for use.	Yes; The split modular transmitter part is installed on host equipment similar to the platform to be used for testing.
13. Manufacturers must ensure that only transmitter control elements and radio front end components that have been approved together are capable of operating together. The transmitter module must not operate unless it has verified that the installed transmitter control elements and radio front end have been authorized together. Manufacturers may use means including, but not limited to, coding in hardware and electronic signatures in software to meet these requirements, and must describe the methods in their application for equipment authorization.	Yes; The device will describe the method in its device authorization application by means of hardware and electronic tags

A limited modular approval (LMA) may be granted for single or split modular transmitters that comply partially with requirements above.

Name: Bo Chen

Date: 2022-02-14

Title: Manager

Signature of applicant

Bo Chen