Modular Transmitter Approval Request

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

Company name: Arctech Solar
FCC ID: 2AWQQ-YL-900IL-915M

Dear Sir/Madam,

In accordance with 47CFR 15.212 Modular Transmitters and KDB 996369 D01 'Module Equip Auth Guide v02'. FCC ID:2AWQQ-YL-900IL-915M 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.	Refer to external photos. This module does have shield cover total complies the requirement.
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.	All inputs to the modules are buffered logic or microprocessor inputs, total complies the requirement. Please refer to Schematics.
The module must contain power supply regulation on the module.	Module uses 3.3Vdc power, total complies the requirement, please refer to block diagram or Schematics
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 module contain a unique antenna connector, total complies the requirement, please refer to internal photos.
The module must demonstrate compliance in a stand-alone configuration.	The module is connected to the controlled board when testing. Please refer to setup photos.
The module must be labeled with its permanently affixed FCC ID label, or use an electronic display (see KDB Publication 784748).	Refer to the label
The module must comply with all specific rules applicable to the transmitter, including all the conditions provided in the integration instructions by the grantee.	Refer to the user manual
The module must comply with RF exposure requirements	It's complies, please refer to the MPE report and user manual

Name: Yu Songpeng **Date: 2020-12-08**

Title: Enginer

Signature of applicant Yu Songpeng