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Modular Approval Letter

Date:2022-08-12

FEDERAL COMMUNICATIONS COMMISSIONS

Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

We, Arctech Solar, hereby request Modular Approval for Product: Tracking Processor (Model number:E28-2G4T27SX), FCC ID:2AWQQ-E282G4T27SX).The EUT meets all of the requirement for modular approval as detailed in FCC 15.212. the requirements is described below:

1. The modular has RF shielding, please refer to the EUT photo.
2. The modular transmitter has buffered modulation/data inputs, Buffered data inputs stage has been integrated in chip (Model: SX1281).
3. The modular transmitter has its own power supply regulation. Please refer to the schematic.
4. Comply with the antenna requirements of Section 15.203 and 15.204(c), the modular have a monopole antenna that uses a unique coupling to the module, the maximum gain is 3dBi.
5. The EUT was tested in a stand-alone configuration, please refer to setup photos exhibit for details.
6. The module labeled with its own FCC ID.
7. Comply with any specific rules or operating requirements that ordinarily apply to a complete transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements. The necessary explanation to be complied with this requirement is contained in the user manual, band please refers to the User Manual.
8. Comply with FCC §15.247 (i) & §1.1307 & §2.1091 RF exposure requirements in its final configuration.

Sincerely,



Signature:

Print Name: Tao Zhou

Title: Engineer