



## Modular Approval Letter

(12-31-2019)

FEDERAL COMMUNICATIONS COMMISSIONS

Authorization and Evaluation Division

7435 Oakland Mills Road

Columbia, MD 21046

Subject: Modular Approval Letter

The Device, **FCC ID: 2AE5A-TRTN**, is seeking FCC authorization as a modular transmitter. The EUT meets the requirement for modular approval as detailed in FCC Public Notice DA 00-1407. Compliance to each of the requirements is described below:

1. The modular transmitter must have its own RF shielding.  
-Shield is affixed to PCB with clip mounts.
2. The modular transmitter must have buffered modulation/data inputs  
-Transmitter is fully contained and connected to Applications processor within ASIC.
3. The modular transmitter must have its own power supply regulator  
-Single chip ASIC contains internal regulation to allow input power supply rail of 1.8 to 3.6V operation.
4. The modular transmitter must comply with the antenna requirement of section 15.203 and 15.204(c)  
-Transmitter contains integrated antenna.  
-Test port connector is proprietary Murata connector  
-Test port connector is not directly accessible to the user.
5. The modular transmitter must be tested in a stand-alone configuration  
-TRTN module was tested on worst case maximum size standalone carrier board.
6. The modular transmitter must be labeled with its own FCC ID number  
-TRTN FCC ID marking is embedded in PCB TOP silk screen layer  
-TRTN FCC ID marking is visible outside the shield area  
-TRTN module is miniature size less than 0.5 square inches
7. The modular transmitter must comply with any specific rule or operating requirements and the manufacturer must provide adequate instruction along with the module to explain any such requirements

QA-FR-175-A

- TRTN module transmitter is not configurable by end user.
- There is no direct user interface and
- Transmitter module is controlled at Cloud Interface Level by Roost Cloud State Machine.

8. The modular transmitter must comply with any applicable RF exposure requirements  
The modular transmitter meets all RF exposure requirements.

Sincerely Yours,

A handwritten signature in black ink, appearing to read 'JMA', with a long horizontal flourish extending to the right.

James Machiorletti  
Roost, Inc  
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