



Tantalus Systems Corp.
200-3555 Gilmore Way, Burnaby, BC Canada, V5G 0B3
Tel. 604.299.0458 · Fax 604.451.4111
www.tantalus.com

August 30th, 2025

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

Pre-Approval for Limited Modular Approval, FCC ID: OZFSTIM

To Whom It May Concern:

It is desired to obtain limited modular approval for the Part 15 device FCC ID: OZFSTIM

The device will be integrated into the Tantalus TRUConnect series of single-phase and poly-phase electric meters.

This letter is to address the requirements in 47 CFR Part 15.212(b) regarding modular transmitters that do not meet all of the requirements in Part 15.212(a).

Modular Transmitter Non-Compliance:

The communication device that is seeking modular approval does not have shielding around the front end section (non-compliance to 15.212(a)(1)(i)), and it was not tested in a stand-alone configuration (non-compliance to 15.212(a)(1)(v)).

The non compliance to 15.212(a)(1)(i) was a consciously made choice, since internal testing showed that the fully integrated single IC radio and the transmitter design (and the layout thereof) are such that the transmitter does not generate spuri when influenced by large electromagnetic fields tested with an in-house setup that as best as possible emulates the electromagnetic interference test prescribed by ANSI C12.1 4.7.3.12.1 upto 1GHz.

The non compliance to 15.212(a)(1)(v) was because Tantalus Systems Corp. was of the opinion that by testing the modular transmitter inside the host device that was co-located with another FCC approved transmitter (FCC ID: QOQ-917AC), then the intermodulation products generated would be an accurate presentation of the final product.

Compliance of Limited Modular Transmitter Inserted Into Host Devices

Tantalus requests limited modular approval for the FCC ID: OZFSTIM, when inserted into the Host TRUConnect series under the following conditions:

- The location of the 3rd party FCC approved transmitter/antenna in relationship to the limited modular transmitter/antenna that has been tested in this filing will not change.
- The location of the limited modular approval transmitter/antenna will not change.
- The integrated service disconnect switch will always be present.
- Both the host device and limited modular approval transmitter are manufactured and tested by a strategic partner of Tantalus Systems Corp.
- The limited modular transmitter will not be inserted into any other host device that does not comply with the above.

Tantalus is scheduled to add a poly-phase series of electric meters that will be strongly coupled to the single-phase meter design concept.

When this addition to the host series is added, Tantalus will perform AC conducted emissions and unintentional emissions at an accredited establishment to ensure compliance with the declaration of conformity outlined in KDB 896810 is observed.

Sincerely,

A handwritten signature in black ink, appearing to read 'M. Fairburn', with a horizontal line extending to the right.

Mark Fairburn
Sr. RF Design Engineer
Tantalus Systems Corp.