



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

April 22nd, 2026

IIA Lab Services, LLC
849 NW State Road 45
P.O. Box 370
Newberry, Florida 32669

Request for Limited Modular Approval

FCC ID: OZFSTIM

Host Name: TRUConnect electricity meter series

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 TRUConnect electricity meter series.

The communication module will be integrated into the TRUConnect electricity meter series. The host device is an electric utility meter used for residential and commercial metering purposes. The host series of devices will have different combinations of AC power connections to the meter base that it is inserted into. The meter form factor is identical for all meter forms and the construction and dimensional restrictions are covered by the ANSI C12.7 standard. The communication module incorporates all necessary transmitter control circuitry and is therefore not applicable for split-modular approval.

Once the device has been professionally installed and connected to the load devices, for which it will control, it will be permanently sealed.

This device is not a software defined radio, but it does have the ability to transmit using 3 different modulation rates (all of which have been tested by the regulatory compliance company). The end customer chooses at which modulation rate the device will operate.

The communication module is designed in a specific and unique fashion that does not allow its integration into any other host device than that for which it is intended.

The communication module does not have shielding around the front end section, and it was not tested in a stand alone configuration. It was tested in the actual host device that is intended for its use to ensure that intermodulation products caused by the transmitter in this application and the previously approved WiFi transmitter are accurately represented and do not violate restricted band emissions.

For these reasons the application is for a limited modular approval. In accordance with Part 15.212 the device meets all of the remaining modular requirements:-

The transmitter must have buffered modulation/data inputs.

The transceiver has an internal data management unit inside that samples the data line and prevents over modulation. The end user cannot change the data rate, the transceiver has an internal state machine that cannot be changed by the end user.

The transmitter must have its own power supply regulation.

The unit incorporates its own DC to DC converter followed by line regulation devices with filtering. Changes to the applied DC input will have no effect on the operating conditions of the transmitter.

Host professional Antenna installation.

In compliance with 15.212(a)(1)(iv), the communication module incorporates a unique antenna to PCB design that cannot be replaced. There is no requirement OR ability for the host integrator to attach or change the antenna. If the antenna is damaged the entire host device must be replaced.

The transmitter must be equipped with a permanently attached label.

Complies; Refer to the host label exhibits submitted with this application.

The transmitter must comply with any specific rule or operating requirements applicable to the transmitter and the manufacturer must provide adequate instructions along with the module to explain any such requirements.

The module is compliant with the requirements in 15.212(a)(1)(vii). Please refer to the user manual for a detailed description of field deployment instructions that must be adhered to ensure compliance.

The transmitter must comply with any applicable RF exposure requirements.

In accordance with 15.212(a)(1)(viii), the host device meets RF exposure requirements as outlined in the RF exposure document attached to this exhibit. To ensure that compliance is met, the host device must be professionally installed in a utility meter base specifically designed for outdoor applications where a distance of greater than 20cm can be ensured from the general public.

Sincerely,

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

Mark Fairburn
Sr. RF Design Engineer
Tantalus Systems Corp.