



Rogers Labs, a division of The Compatibility Center LLC

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July 2, 2024

Timco Engineering Inc.
13146 NW 86th DR.
Suite 400
Alachua, FL 32615

Applicant: Transcore - Amtech Technology Center
8600 Jefferson Street NE
Albuquerque, New Mexico 87113

Equipment: FCC ID: FIH051168

FCC Rules: Part 2, 90M

To whom it may concern,

The 731 Form and application for Class II Permissive change on this equipment has been electronically submitted and attachments uploaded to your site for use in processing. The equipment provides use as mobile RFID Tag transmitter operating under the Intelligent Transportation Systems Radio Service as Non-Multilateration Location and Monitoring Services (LMS). The transmitter was modified to increase its efficiency and extend battery life. This was accomplished by replacing the microcontroller that was driving the transmitter elements with one that has higher-output GPIOs. The power was then reduced somewhat through an increase in the pi pad value in the transmit path. No change to the PCB layout was required as a drop-in microcontroller was used in addition to altered passive component values.

Permanent Confidentiality

A statement of confidentiality will be attached with the application at the time of submittal.

CONFIDENTIAL FILES

FIH051168_Schematic.pdf
FIH051168_BOM_PWA.pdf

Should you require any further information, please contact the undersigned. Thank you for your consideration in this matter.

Best Regards,

Patrick Powell
Rogers Labs, a division of The Compatibility Center LLC

Enclosures