July 18, 2003

Timco Engineering Inc.
849 N.W. State Road 45
P.O. Box 370
Newberry, Florida 32669 FCC ID: B2FTALON-V

RE: JOB #: 941UC3

Dear Sir:

This letter is in reply to your email dated July 11, 2003 regarding a recent application submittal bearing FCC ID B2FTALON-V.

Item 1
A photograph showing the label location has been submitted separately

Item 2
The schematics and parts list documents have been separated and submitted separately.

Item 3
The parts layout diagram has been removed from the confidentiality request and a revised letter has been submitted.

Item 4
Carson rule for necessary bandwidth is given below:

Bn = 2M+2D

Where:

Bn = Necessary Bandwidth
M = the modulation frequency: 2400Hz in this case
D = the deviation frequency: 2300Hz in the case

Therefore: Bn = 2(2300) + 2(2400) = 9.4kHz

Authorized Bandwidth = 11.25kHz

Emission Designator: 9K4F1D

A new Form 731 has been uploaded with the correct designator.

Items 5
This device is a data transmitter only and makes no provisions for voice transmission. The original Form 731 emission designator indicated F3D designation incorrectly. The correct designator is F1D for Data only. The new 731 form uploaded for item 4 above addresses this issue as well. Modulation limiting is controlled by the manufacturer in the tune-up procedure submitted in the original submittal. Additionally, the test procedure for this evaluation calls for an audio source input, which this device cannot accept. Further, review of other applications similar to this device show this test is not applicable to these devices. See FCC ID: OM3VTRAKF450.

Item 6
Radiated spurious emission were performed per TIA-603 A section 2.2.12

Item 7
Transient Frequency Behavior plots were taken and uploaded.

Item 8
13.7 V dc input voltage and the RF power set for 6 W (plus), the voltage on the line that goes to the final amplifier, plus other circuitry, measured 7.35 V dc and the power supply current measured 2.44 A dc. For receive only the power supply current measured 91.6 mA dc.

I trust this response has addressed all of your concerns, however, please contact me if you require additional information.

Sincerely,

R. Sam Wismer
Engineering Manager/
Radio Approvals Engineer