American Telecommunications Certification Body Inc.
6731 Whittier Ave, McLean, VA 22101

February 14, 2005

RE: THERM-OMEGA-TECH, Inc.

IC Number: SVI94030

After a review of the submitted information, I have a few comments on the above referenced Application.

1) Please update the confidentiality letter to include reference to 47 CFR 0.459. See attached information as well.
2) Please provide a separate test configuration photograph exhibit.
3) Please provide a separate operational description exhibit.
4) Please provide a schematic for the device as required by 2.1033(b)(5). Additionally, please be sure that the schematic provided will include all the proper components after the modifications.
5) The current report only references Part 15. For IC, either provide a modified report that includes correct references to the IC standard, or provide a cross reference sheet that compares all the FCC requirements to the IC requirements. Please note that any additional requirements for IC must also be provided (i.e. 99% occupied bandwidth, RX emissions, etc.) If they were not provided in the FCC report.
6) Section 4.1.2 of the test report mentions 10 meter measurements for measurements < 1 GHz. All TX measurements for this equipment, including the fundamental should be made at 3 meters. Please explain/correct as necessary.
7) Fundamental emissions are reported as QP measurements. Please explain the duty cycle of the TX during testing (period, duration of TX intervals, etc. If the device did not have sufficient TX durations, QP measurements may not be acceptable. If necessary, please provide 0 MHz span plots showing appropriate duty cycles.
8) Peak and average measurements > 1 GHz were not provided as the report cites that they were significantly beneath the limits. However, for average measurements, it is uncertain how these were made and it can not be determined if the measurements made are acceptable. If the device had long duration TX periods, then average measurements may be made with RBW = 1 MHz, VBW > (1/TX duration where TX is on without any blanking intervals). If the device is pulsed, then the average measurements can only be done by correcting the peak measurements by the average duty factor based upon a worse case 100 msec period of time. Please explain as necessary. Supporting information should be provide for 7) above.
9) FYI….Please note that to the extent possible it is desirable to have all exhibits submitted in PDF form (photographs, forms, users manual, etc. as well). This helps to decrease reviewer processing time. Please consider this on future projects.

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Examining Engineer

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The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. Also, please note that partial responses increase processing time and should not be submitted.

Any questions about the content of this correspondence should be directed to the sender.