



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

January 6, 2006

RE: Hetronic International

FCC ID: LW9-MFSHL915

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

- 1) The device is of sufficient size that the labeling information required by 15.19 should also be located on the device. Current interpretations only allow for this to be placed in the manual if the device is smaller than 8x10 cm. Please correct.
- 2) Schematics currently only show reference designators. The schematic must show correct component values or optionally a parts list for the schematic may be provided. Please correct.
- 3) Please provide an appropriate Operational Description exhibit.
- 4) Please provide an appropriate test configuration photographs exhibit.
- 5) The users manual does cite "Note: No user modifications to the device are allowed". However it is recommended that to meet full FCC requirements that this is reworded to state: "The users is cautioned that changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment".
- 6) What test equipment was used for measurements > 1 GHz. Test equipment list does not appear to list antennas/amplifiers that may have been used > 1 GHz.
- 7) Information on page 11 of the test report for < 1 GHz cite a 10 meter test distance. However, this would mean the results cited are for Class A levels. However this device should meet with levels equivalent to Class B at 3 meters. Please review.
- 8) Information on page 12-13 of the test report for > 1 GHz cite a 10 meter test distance, however limits appear to be for 1 meters. Typically measurements > 1 GHz are expected to be at 3 meters, or 1 meter when dynamic range is necessary. Please review.
- 9) Average measurements are not applicable for < 1 GHz. Peak measurements must meet with 94 dBuV/m limits. Note that optionally a QP measurement may be made at the fundamental, but in order to be valid, the transmitter must be transmitting at > 20 Hz rep rate (even if this is not typical transmission). Please review/correct as necessary. Please note that currently the device appears in excess of the limits.
- 10) The users manual should contain the following information as specified by RSS-GEN section 7.1.5. Please correct or comments as appropriate:
The user manual for the LPD shall contain the following or equivalent statements in a conspicuous position:
"Operation is subject to the following two conditions: (1) this device may not cause interference and (2) this device must accept any interference, including interference that may cause undesired operation of the device."
- 11) For IC, the model number as certified must also be included on the label. Please correct.
- 12) FYI...Further review of this application will need to be performed once the issues above have been appropriately addressed.

A handwritten signature in black ink, appearing to read "Timothy D. Johnson".

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.