



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

June 7, 2002

RE: Hafele American Co.

FCC ID: PW3107

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

- 1) The block diagram shows a frequency to the antenna of 12.56 which does not match the 731, etc. Please comment.
- 2) Please provide a photograph of the PCB Front with the coil removed.
- 3) The operational description states that the RF energy charges a capacitor which is used by the transponder to communicate back to the EUT. What is the response frequency of the transponder?
- 4) The test report states that the loop was positioned "in the plane of the loop perpendicular and parallel to the direction of propagation. The loop antenna must also be rotated about horizontal and vertical axis in an attempt to maximize the emission. Was this performed?
- 5) The Users Manual is missing the statements specified by 15.21 and 15.105. Please provide a corrected users manual.
- 6) Please explain if this device is being certified under 15.225 or 15.209 (Note the limits appear to be adjusted to 15.209).

If 15.225 applies then:

- 7) Please provide frequency stability information for -20 degrees to + 50 degrees C as specified by 15.225(c). ANSI C63.4 (as referenced by 15.31) specifies frequency stability to be performed in 10 degree increments after a sufficient stabilization time period. Please provide the missing test data.
- 8) The test report states that the Limit has been increased by the dB values given in Section 6.6. The limits do not match 15.225.
- 9) Further information regarding bandedge compliance would be necessary.



Timothy R. Johnson

Examining Engineer

[mailto: tjohnson@AmericanTCB.com](mailto:tjohnson@AmericanTCB.com)

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.