



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

March 30, 2005

RE: Xanboo/Core Technologies

FCC ID: OU4-XHA750

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

- 1) Please provide top and bottom photographs of the RF board by itself and a photograph of the main board with the RF module removed.
- 2) Proper FCC label consists of the term "FCC ID:", not "FCC ID Number:". Please correct.
- 3) Please justify the use of the DoC labeling information (FCC Logo and associated text). This labeling is reserved for particular approvals that do not appear to apply to this application (PC Peripheral, Stand alone RX, etc.). Please justify or correct the labeling.
- 4) User manual states 418 – 433 MHz, while the application cites 418 MHz only. Please explain.
- 5) Please explain the nature/theory of operation of the electronic key. Is this device RF or inductive in nature? Is it wireless, even if only a few cm? Note that either RF or inductive may require testing and approval as a RF TX if this is a wireless interface of RF or inductive nature. Please provide further information as necessary such as theory or schematics of electric eye as necessary.
- 6) This device appear to normally be mounted upright. Was it also tested in this position? Note that the antenna appears significantly longer than the external element alone and positioning of the unit and element in this position could have an effect.
- 7) The description of the device in the report tends to contradict the expected use of the device. It appears that this device arms/disarms a security system and does not actually lock or unlock a door.
- 8) It appears that the fundamental and 836 MHz harmonic may have been taken using a QP detector. Please note that this is only allowed if the repetition rate exceeds 20 Hz. Additionally, please note that you are not allowed to correct QP reading to make average readings. The FCC rules allow the use of Peak and Average, or QP alone. If QP measurements are made, they must be compared against the average limit alone. If these are QP measurements, please note that they exceed the average limit. Please review and correct as necessary.
- 9) It appears that 15.231(e) was selected for limits for this device. It is uncertain why this was necessary. Please explain. However, please note that compliance to 15.231 (a) must show compliance to the 5 second requirements for manual or automatic Transmissions, with exception of the keep alive transmissions since this device is used in security applications..
- 10) Measurements > 1 GHz state they are performed at 1 meter, but there does not appear to be any distance correction. Please explain and/or correct as necessary.
- 11) Please provide a plot showing the period between transmissions. It can not adequately be determined if any other transmissions occur during 100 msec from the plots provided and this needs to be verified to support the average correction factor.

A handwritten signature in black ink, appearing to read "Timothy R. Johnson", is positioned above the printed name.

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.