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

May 1, 2002

RE: Precise Biometrics AB

FCC ID: PBKMS010041

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

1) Please provide a block diagram that includes the frequencies as specified in CFR 2.1033(a)(5). Also see issue 7 below.
2) The EUT receives its power from a host piece of equipment (in this case a laptop) and therefore conducted emissions data needs to be provided (see 15.107(f)). Be sure that the conducted emissions setup is consistent with the procedure specified by ANSI C63.4 (i.e. location of LISN, presence of vertical ground plane, etc.). Please provide new test data and photographs for this.
3) The external photographs do not appear to show a connection for the Smart Card Reader. Please provide an additional photograph showing the contacts and/or placement of the card when used. Additionally, please confirm whether this is a contact Smart Card reader or wireless type card reader.
4) The label appears to have plenty of space available and therefore should also include the statements specified by 15.19(a)(3).
5) The 2 internal photographs provided are too dark and the resolution is lower than desired. Please provide new internal photos.
6) You provided a letter addressing 2 different cable lengths. The external photographs show a ferrite on the USB cable (near to the PC connection side). Please confirm if this ferrite will be attached to both cable types offered.
7) The schematics show 2 additional oscillators at 14.7456 & 7.3728 MHz that do not appear to be in the parts list. Please explain. The block diagram also only shows 2 oscillators instead of 4.
8) The test report shows data at 1 & 4 meter antenna heights. For final maximized readings, the antenna should be raised and lowered between 1 & 4 meters to obtain worse case positioning. Please comment on if the antenna positioned was swept between 1 & 4 meters.
9) Please confirm that the EUT was rotated about 360 degrees to obtain worse case azimuth during the test.
10) FYI, For future applications, please be careful in positioning of devices classified as PC peripheral devices. These devices typically require a 10 cm spacing from the host unit. Although the FCC alternatively allows use of the limits from EN55022/CISPR 22 the procedure/setup must still follow ANSI C63.4 (see 15.109(g)(1)).

Timothy R. Johnson
Examining Engineer

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.