



American Telecommunications Certification Body Inc.

6731 Whittier Ave, McLean, VA 22101

August 6, 2002

RE: Microsoft Corporation

FCC ID: C3KKB11

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

- 1) Please provide :
 - a) a higher resolution block diagram.
 - b) a clearer or higher resolution photograph of the back of the main board.
 - c) a photograph of the back of the Bluetooth module.
- 2) Regarding the Transmitter Schematics, please provide one of the following:
 - a) A schematic of the RF portion (Bluetooth Module).
 - b) Alternatively, if the radio is a modular component from a different manufacturer, you may instead provide a parts list that shows the Bluetooth Module as a part from a different manufacturer. If the parts list is provided, please be sure to let us know if confidentiality is requested on it and update the confidentiality letter if necessary.
- 3) Assuming the keyboard, mouse, and transceiver are all classified as mobile devices for RF exposure purposes, the users manual should contain the following RF exposure information or similar:

" The antenna(s) used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter."

- 4) The horn antenna in section 8.1 of the radiated test report appeared to be out of calibration during the test. Please comment.
- 5) Please confirm the VBW settings used for the peak radiated emissions > 1 GHz.
- 6) In the Antenna Conducted report, please explain section 5.3 where it mentions the devices was attached to a computer via a 1.5 meter length USB cable. I thought the device did not contain any cables and was considered stand-alone. Please explain.
- 7) FYI, the table 6.1.3 of the Antenna Conducted report contains an incorrect data.
- 8) FYI, the label and certain places in the users manual state "Wireless Optical Desktop for Bluetooth Keyboard". This may or may not be intentional but the term 'Optical' seems incorrect.

A handwritten signature in black ink, appearing to read 'Timothy R. Johnson'.

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.