



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

August 7, 2002

RE: Microsoft Corporation

FCC ID: C3KTR1

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

- 1) Please provide:
 - a) clearer external photographs
 - b) a photograph of the back of the Bluetooth module.
 - c) a photograph of the main board with the Bluetooth module removed.
- 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) The EUT is considered a PC peripheral device + transmitter and is subject to the applicable requirements of both. However to meet all the applicable requirements for this device it should also be certified under the same ID number as a PC peripheral or it should be tested by an accredited laboratory as a PC peripheral. The test report provided for certification appears to only cover the transceiver portion of the device. Please note that when tested as a PC peripheral, the device should be configuration as specified by ANSI C63.4 Section 11. The minimum configuration specified includes 2 additional interface ports (i.e. parallel and serial) in addition to the monitor, keyboard, mouse ports which did not appear to be filled. Please confirm that the EUT has been properly evaluated and tested by an accredited laboratory for DoC requirements as a PC peripheral device or provide a copy of the DoC report. Also, please note that the FCC's web site does not appear to list Taiyo Yuden as an accredited test lab.
- 4) Assuming the device has been tested for a DoC authorization as a PC peripheral device, the label should also include the appropriate Part 15 DoC labeling information. Please provide a corrected exhibit.
- 5) The compliance information sheet (either separate sheet or information contained on a single page within the manual as specified by 2.1077) is required for DoC authorizations. Most of this information required by 2.1077 is located on page 5 of the users manual. However the compliance information on this page should also contain the following information:
 - a) The identification, by name, address and telephone number, of the responsible party. The responsible party is defined as either the manufacturer, or if the equipment is imported, the importer. The responsible party for a Declaration of Conformity must be located within the United States.
- 6) 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."
- 7) In the Antenna Conducted report, please explain section 5.5 where it mentions the devices was tested using a fully charged battery. This device does not appear to contain a battery. Please explain.
- 8) In the Antenna Conducted report, section 5.6 states the device was tested as a stand-alone configuration which is representative of typical use. Please explain as the EUT is a USB Dongle expected to be attached to a computer.
- 9) FYI, the table 6.1.3 of the Antenna Conducted report contains an incorrect data.

- 10) The radiated spurious emissions report did not contain 3 sets of data for a typical low, middle and high channel, or contain information to clearly define if the data table provided encompasses all 3 test frequencies. Please explain or provide the missing test data. Note that section 4 also references Annex A, which does not appear to be provided.
- 11) Section 6 of the radiated emissions report shows ferrite cores on the AC line cord, keyboard, mouse, and CRT. Section 3.4 shows that ferrite were not on the AC line cord. The test system should contain a minimum number of ferrites. Please confirm if the ferrite was present on the AC line cord.
- 12) The EUT obtains its power from a host computer. Please provide conducted emissions that show compliance with 15.207.



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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.