



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

May 16, 2003

RE: Microlink Communications Inc.

FCC ID: QVZ10020000

I have a few comments on the above referenced Application. These comments are all made upon the assumption that the EUT's maximum conducted output power is 12.74 mW and the antenna gain is 2.0 dBi.

- 1) Because this device has such a low power output (< 24.6 mW), there are not any manual statements necessary regarding 2.5 cm. Please remove this information from the users manual.
- 2) The technical description power was modified, but still references class 1 power. Note that Bluetooth defines power classes as

**Power Classes:** Each device is classified into 3 power classes, Power Class 1, 2 & 3.

- Power Class 1: is designed for long range (~100m) devices, with a max output power of 20 dBm,
- Power Class 2: for ordinary range devices (~10m) devices, with a max output power of 4 dBm,
- Power Class 3: for short range devices (~10cm) devices, with a max output power of 0 dBm.

The power listed does not appear to match any of these powers. The operational description does appear to be strictly for the Bluetooth Chip and not the final device as a whole. From review of the schematics, it does appear that the TX lines from the chip pass through many components between the chip and the antenna. It may be possible that the output power is +20 dBm at the chip, and the loss through the components explains the difference if the power measurements were made at the Antenna connection. Please confirm or explain this difference of expected output power. Note that depending on your response, the original operational description may be correct.

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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.