



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

July 16, 2005

RE: Pepper Computer Inc.

FCC ID: S5Y1234

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

- 1) Please comment on whether the provided parts list should also be considered confidential. If so, please update the confidentiality letter to include the parts list.
- 2) Regarding the internal photographs, the top and bottom of each TX board, including with and without shields must also be provided (i.e. inside the integrated card). Please provide.
- 3) Please revise the test report(s) regarding previous items 8 and 14.
- 4) Maximum DTS power measured as shown in the report as 1.7 dBm. The 731 form shows 15 dBm. Something does not appear correct. Note that 99% of WLAN devices have between 20 – 120 mW of power. The readings shown here are less than 1 mW. It appears that either the device was not properly maximized during test, settings may have been incorrect, or an error made during measurements. Note that the previous grant for GemTek shows a power of 35 mW and antenna gain of 0 dBi.
- 5) Maximum DSS power measured as shown in the report as -26.3 dBm. The 731 form shows +4 dBm. Something does not appear correct. Note that 99% of Bluetooth devices have between 1 – 4 dBm of power. The readings shown here are more than 20 dB below the expected value. It appears that either the device was not properly maximized during test, settings may have been incorrect, or an error made during measurements.

Note that both WLAN and Bluetooth appear 20 dB below their expected values. A careful evaluation should be done to investigate this concern.

- 6) Please clarify the BW settings used during Power measurements.
- 7) For the Bluetooth report, more information should be shown as to how the 54 and 74 dBuV/m limit was met at the bandedge. For instance a sample calculation, correction factors, etc.
- 8) Some average measurements shown in the DSS report show a 1 Hz VBW. Note that the FCC as specified 10 Hz as a minimum. Additionally, the VBW must be > 1/Ton. From earlier duty cycle plots, this would mean that any average measurements would likely require an approximate 1 kHz VBW or greater. This should be review/corrected as necessary.
- 9) Note that the maximum measured power should be listed on the 731 form. This will also be what is reported on the grant. Please correct.
- 10) SAR Report is still under evaluation.

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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.