



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

January 15, 2004

RE: FCC ID: CNTWM3B2200BG
Attention: Kyle Fujimoto

I have a few comments on this Application.

1. Please note that the equipment code DSS is for Frequency Hopping Spread Spectrum devices, whereas DTS is for WLAN devices. Please correct the 731 to show the proper equipment code.
2. Please note that while it may be generally understood that HP owns Compaq computers, the 731 grantee is Compaq, yet the Cover letters are from HP. Please show how the particular HP office has authority to act for Compaq Computers.
3. Please also note that the non-modification statement has HP as the responsible party. Please note that the grantee of the device is Compaq. As such, only Compaq can listed as the responsible party in the non-modification statement. Please provide evidence that HP has the authority to act for Compaq. Alternately, please correct the statement to say Compaq instead of HP.
4. Please note that there appears to be more than adequate room on the PCs to accommodate the 2-condition statement of 15.21. Please provide a label with this 2-condition statement and please show where on the device the statement will be placed.
5. Please note that both laptops show a "Bluetooth Label" location. However, it is not clear if this label is used to show the FCC ID number of the Bluetooth label inside the laptop. This is what is assumed, but there is no evidence of this. Without evidence of what the Bluetooth label says, it may also be assumed that the Bluetooth may be using the same ID number as the WLAN, which would be incorrect. The cover letter stating the purpose of the application states that it is for the WLAN LMA and does not include the Bluetooth on the FCC ID. Please explain. Please verify that the FCC ID number of the Bluetooth is what is referenced on the Bluetooth label (i.e. Contains FCC ID: xxxx for the Bluetooth).
6. Please note that documentation states that the Bluetooth antenna is 20cm from the WLAN antenna and thus is not collocated with the WLAN. However, from the drawings of the Raptor, it appears that the right antenna is closer than 20 cm to the Bluetooth. It is not clear from the schematics if only one antenna (the left) is the only antenna used for transmitting. If the right antenna is used to transmit, the Bluetooth antenna may not be 20cm from the WLAN and thus may be collocated. Please explain.
7. Please note that the RF exposure statement in the Lopez manual states a .2cm separation is required. The SAR report makes no such statement for compliance. Please reconcile the SAR report and the manual.
8. Please note that the raptor manual does not appear to have the rf exposure statement. Please provide an rf statement in the manual. Alternately, please explain on which page the statement exists.

SAR report for HP 2080 laptop

9. Please note that "Hand" or Direct Contact SAR is not able to be evaluated by TCBs at this time. Please also note that Hand SAR is not necessary for certification purposes. As such, all SAR data dealing with Hand SAR, will be ignored and only Body SAR testing will be evaluated. After certification and uploading information to the FCC, the FCC may have questions and concerns about any "Hand" SAR performed.
10. In section 5.2 of the SAR report for the HP 2080 it states, "Further details of the tissue used during the system validation are provided in section 6.3 Simulated Tissue." However, Section 6.3 is titled "DIRECT CONTACT SAR". Do you mean section 5.4? Please verify and correct as needed.
11. Please note that the calibration data for the dipole states it was performed on serial number ALCD-10. The list of equipment in Table 2 on page 10 states that a dipole with not serial

number (or N/A in the serial number column) was used. Please verify and/or correct the report as necessary to show the dipole calibration is for the dipole listed in table 2.

SAR report for HP TR1105

12. The same issues in items 5 through 7 exist for the SAR report for the TR1105.
13. Please note that the SAR report states it was tested in the TR1105 laptop. The EMC report states the computer model is the PP3006 Tablet PC. Please explain and/or retest using the same tablet PC for which LMA approval is sought.
14. Please note that the SAR report states the FCC ID number is CNTPP3006. However, the application is for FCC ID: CNTWM3B2200BG. This is most likely related to the incorrect model tested in item 9 above. Please explain.



Dennis Ward

<mailto:dward@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.