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

October 22, 2006

RE: ASUSTek Computer Inc.

FCC ID: MSQO2Z1

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

1) The Block diagram and operational description appears to show both WCDMA and GSM. Please explain/correct as necessary (i.e., does the unit operate on U.S. WCDMA frequencies such as 1860 – 1910 or 824 – 849?).
2) It appears that the last board shown in the internal photographs does not have photographs of the other side of the board.
3) Kindly update the internal photographs to show/label the position of the various antennas.
4) WLAN Operational description mentions 13 channels . The U.S. frequency band does not allow operation of 13 channels.
5) Section 15.15(b) prohibits adjustments of any control by the user that will cause operation of a device in violation of the regulations. Accordingly, any proposal to allow the end user to choose extended channels on frequencies outside of an allowable frequency band in the USA is not acceptable. For example, a WLAN device operating according to Section 15.247 on channels 1-11 between 2.4 - 2.483.5 GHz must not have any user controls or software to allow the device to operate on channels 12 and 13 which are outside of the allowed USA band. For instance, the user should not be able to select alternative countries which would allow different channel plans outside of the allowed USA band. Please explain how this device is compliant to this requirement.
6) Maximum GSM output in the WLAN/BT report is cited as 33 dBm, but the measured was much lower. Please explain.
7) A power meter was used for WLAN measurements. Power meters should typically be use only us using a peak power meter. Additionally, it did not appear that a power meter was listed in the testPlease explain.
8) Being a portable device, the BT/WLAN measurements should have been investigated in 3 axis to obtain worse case position for testing. Please review/explain.
9) An attestation cites that WLAN and GSM will not function at the same time. However the users manual discusses simultaneous operation (i.e. see page 59). Note that is it not sufficient to simply instruct the user to not use the 2 TX at the same time. The unit must be designed so as to not allow this functionality.
10) Please explain if the WLAN TX supports voice over IP and this subject to Head SAR as well.
11) Body worn data/information has only been supplied for the holster provided. However information/testing has not been done in support of non-metallic holsters using an appropriate 1.5 cm air gap for testing.
12) Additionally lap held use with keypad positioned in an open position does not appear to be provided. Please review.
13) Please explain why one of the head positions label on the plots mentions BT on. Is BT expected to function when used in the head position.
14) Please explain if GMRS may function (co-exist) when voice modes are active and thus making the duty cycle for head positions higher.
15) For the WLAN SAR, please explain the unusual Z-axis plot. How can testing be assured to be compliant?

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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.