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

July 18, 2006

RE: Mobile Access Networks

FCC ID: OJFMA850A1

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

1) Each application must stand on its own and therefore the Photographs underneath the subshields of the AP must be provided. Please provide.
2) Please explain why the operational description for the 850 mentions a maximum output of 100mW, but the 731 form and test report shows 29.7 dBm. Was a sufficient bandpass filter used to avoid overloading the analyzer.
3) The maximum allowed output for omnidirectional applications is 36 dBm. This is exceeded with 29.7 dBm and 7 dBi gain antenna.
4) RF exposure assumes the same limits for all 4 bands of operation. This is not totally correct. Additionally above there may be a concern with power issues. Please adjust RF exposure to show compliance with the distance cited. Note that the Density/Limit % of each band must add to be < 100%. Please correct/adjust as necessary.
5) RF exposure should be corrected from any power concern raised above.
6) Calculated RF exposure distance appears to be 20.5 cm, while manual only shows 20 cm (page 5). Users manual should be adjusted to match final RF exposure information.
7) Users manual section 2.4.1 should clarify model number 850 for the 802.11b/g vs. 850A or 850A1. Otherwise complete original data should be provided and also information regarding the different antennas showing they are of the same types as mentioned in the users manual. Note current testing appears to be a different type of antenna than the original and therefore not covered by the current testing.
8) Is the manual section 2.5 list the correct FCC ID for the original access point?
9) FYI… Please note that labels must be placed on the access points themselves and the previous FCC ID's on them should be covered or removed.
10) FYI…Proper testing for the 26 dB test for the UNII portion of the device should be done 26 dB from the peak emission measured on the same plot, not the power used as a reference level.

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Emission Bandwidth "B"MHz.
        * Use a RBW = 1% of the emission bandwidth.
        * Set the VBW > RBW
        * Use a peak detector.
        * Do not use the Max Hold function. Rather, use
        the view button to capture the emission.
        * Measure the widest width of the emission that
        is 26 dB down from the peak of the emission.
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Note that this result affects the limit applied for power. However since the more stringent level is used/applied, retesting is not necessary. However for any future tests or additional testing of this device should be performed properly.

11) Please explain compliance to 15.407(c).
12) Section 7.16.2 of the UNII should factor the limit for the worse case antenna gain. For instance -27 dBm – 7 dBi = -34 dBm/MHz EIRP. Please 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.