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

March 13, 2004

RE: FCC ID: RFJTG-806_ATCB000766
Attention: Leon Paul Kass

I have a few comments on this Application.
A couple of questions did not seem to get answered and a couple of questions have come up as a result of the new report. First, the following items from the first ATCB comments still need to be addressed.

These issues are:
Item 3
The theory of operation has not been provided.
Item 5
Please note that the label on the device states that an external antenna of no greater than 3dBd (5.12 dBi) gain can be used. In the manual you state that in poor reception area the use of a YAGI antenna be used. The gain of a YAGI is dependent on the number of elements and can exceed 18dBd (20dBi) gain. Please explain and/or correct all documentation as necessary to be in line with the label statement restricting us of antenna(s) with greater gain than 3dBd (5.12dBi).

Second the issues with the new report

1 The new report states that this device is a part 22H. Please note that Part 22H is for the cell band frequency range of 824 to 849 and 869 to 894MHz. The report also states 22.901d. Please note that there is no rule part 22.901d as this particular section has been removed. 22.901 now only has a and b section and again only in the cell band frequency ranges. While Part 22 has frequencies in the Public Mobile Service at the ranges tested, the report must properly reflect these frequencies and rule parts. The testing on this device is 806 to 825MHa and 851 to 870MHz. The 731 also is for an application to only part 90. Please provide a test report that tests to and reports on the appropriate and proper rule parts. Please clearly state and identify the rule parts under which this device is seeking certification.

2 While a CW signal was used to measure the power output of the booster/amp, there is nothing in the report to suggest that the test was performed with the maximum input level. Please confirm that the testing of maximum output power was performed using the maximum input power.

3 Please note that the test report states that TIA603 section 2.2.1.1 paragraph 5 was used to test radiated spurious emissions. Please note that section 2.2.1.1 of TIA603 is the definition paragraph for conducted carrier output power test. Please note that 2.2.12.2 is the test method for radiated spurious emissions testing. Please re-test the device using the proper Radiated Spurious emissions test section of TIA603 section 2.2.12.2. Please also show the signal generator level, the substitution antenna value in dB and the cable fator (if used) in the measurement table. Please show the sample formula used as required by CFR47.

4 Please note that as this is a licensed device, part 15 has no meaning. Thus, conducted and radiated emissions IAW part 15B are not required. Please explain why part 15 conducted and radiated emissions has been performed (i.e. is this also a computer peripheral or digital device?). Alternately, as they are superfluous and unnecessary information, please remove the part 15 data from the licensed device report.

5 Please note that the test report states that F8W, F1D, DXW and F9W modulations are applicable to this booster/amplifier. The test report shows data for TDMA(DXW) and GSM(GXW), but does not provided test data for F9W(CDMA) or F1D (wideband data), F8W (Voice & SAT signal and signaling tone). Consequently, the report only shows

compliance to one of the emissions designators listed (DXW) and one that is not listed (GXW). Please note that booster/amplifiers must show compliance with all modulation types that are to be used. Please provide test data on the device showing compliance to CDMA (F9W), Wideband data (F8W) and F1D modulations.

Dennis Ward
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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.