



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

January 5, 2006

RE: FCC ID: GM39160RA2050\_ATCB003072  
Attention: Kathy Grzovic / Desmond Fraser

I have a few comments on this Application. Please note that further comments may arise in response to answers provided to the questions below.

1. Please note that the 731 states 15.247 and 15.407, however, the only listed frequency range is 2412 to 2462MHz. Please correct as necessary.
2. Please note that as the power output listed for the 5.25 to 5.35 band exceeds that of the 5.15 to 5.25 band limit (i.e. power is 19.6dBm at 5.26GHz), the device must show band edge compliance at 5.25GHz as well as 5.15 and 5.35GHz. Please provide evidence that the device meets the band edge compliance at 5.25GHz when using the higher power in the 5.25 to 5.35GHz band. This would include compliance data for the turbo mode at 5290MHz.
3. Please note that as the power in the 5.25-5.35GHz band exceeds the limit of the 5.15-5.25GHz band the 731 must show two distinct bands in this range. It must clearly identify the 5.15-5.25 band and the 5.25 – 5.35 band along with the individual power levels. Please provide a 731 form the clearly identifies these bands.
4. Please note that while it appears that the schematics for the WMIA-123ABG have been provided, it does not appear that the schematics for the WMIA-154G-V01 has been. Please explain and/or please provide the schematics for this device.
5. Please note that the manual only indicates professional installation for external antennae. Please note that the attestation/request letter states that the units ARE ALWAYS professionally installed. As such, this would also include any device using indoor antennae. Please correct the manual to state professional installation is required for all configurations. Alternately, please provide evidence to show how all non-external antennae meet the requirements of part 15.203.
6. Please provide the professional installation guide used by the installers which clearly shows how the installer is to set the band edge power levels to keep the device compliant using all antenna(s).
7. Please note that the manual (page 30) states “Psion Teklogix terminals do not support Atheros Turbo modes and to prevent unnecessary radio overhead the use of Turbo mode is not recommended.” Please also note that testing appears to have been done for turbo mode. Please explain.
8. Please note that it is not clear from the report if the power levels at the band edges were adjusted per the installation procedure in which specified power levels are given for each antenna type. Please confirm that radiated emissions data for each antenna type was performed at the power level specific in the document “2005076B Psion 9160-RA2050 FCC&IC Test Report APX H Power R0.00.pdf.” If the power level was not adjusted to these power levels, please provide data for these levels to insure that compliance is met.

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.