



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

July 12, 2004

RE: FCC ID: L6ARAP40GW\_ATCB001461  
Attention: Masud S Attayi

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

FCC

1. Please provide a separate parts list for the device.
2. Please note that the Summary of Results information in the report does not indicate that proper antenna substitution measurements were made. It would seem to indicate that only field strength measurements were performed. Please verify that proper antenna substitution measurements were performed for radiated spurious emissions. Please clearly identify the method of antenna substitution measurements performed.
3. Please note that the table of results listed on page 43 of the report is confusing. The table does not specify what unit the limit is purported to be (i.e dBm, etc????). Also, please note that the results do not appear to correlate with the numbers in the table. Please explain the table and please provide a sample of the formula used to derive the final results (i.e. how did you derive the 'corrected reading relative to a dipole?').
4. Please note that the limits for part 24 radiated spurious emissions are in EIRP. Please note that it appears that the tables on pages 51 through 54 reference a dipole. Please provide limits and corrected readings relative to the specific EIRP limits stated in Part 24. Please provide evidence of the substitution antenna gains used to determine compliance (i.e. correctly referenced to an isotropic).
5. Please note that it is not clear from the report if the Bluetooth device was tested in simultaneous transmission mode with the part 22 and part 24 transmitter functions. Please clarify.
6. Please note that the voltage and current into the final amplifier stages of any licensed transmitter is a requirement of the FCC. Please note that section 8 of the operational description, while mentioning the voltage and current in the final stage, does not specify what this voltage and current is. Please specify the voltage and current into the final amplifier stage as required by the FCC.
7. Please note that clear information of z-axis data is not present. Please provide clear z-axis plot data.

Industry Canada

8. Please provide a letter stating compliance to RSS102. Please list the standard in the letter.
9. Please note that the RSP appendixes must agree. Please explain what "and Issue No. 2" means. Please indicate what issue each standard was used in the testing. Please note that RSS210 issue 5 with appendix should be referenced as should RSS133 Issue 2 rev 1 and RSS128 issue 2 rev 1. Please confirm that the latest issue and revision numbered standards were used in testing.
10. Please provide attestation of the ESN.

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](http://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.