



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

April 26, 2007

RE: Unitech Computer Co., Ltd.

FCC ID: HLEPA500

I have a few comments on this Application. Depending on your responses, kindly understand there may be additional comments.

- 1.) The power output listed on Form 731 shows about 35mW. But the SAR report shows 17.64dBm (more than 50mW). And the manual shows 18dBm +/- 2dBm (up to 100mW). What is the correct RF power?
- 2.) It appears that you have used a power measurement function from a spectrum analyzer to make RF power measurements. The FCC wants to have an accuracy of 10% or better between RF power measurements taken by the EMC laboratory and the SAR laboratory. Please provide evidence that the RMS power measurements can provide this degree of accuracy. In addition, please review your report carefully – there are references to both peak and average on many places. Please keep your units consistent. This applies to the SAR report as well.
- 3.) Please see your Test Report, pages 23 and 24. It appears that you have mixed up peak and average measurements.
- 4.) Please view the FCC's SAR Measurement Procedures for 802.11a/b/g transmitters (attached). The Commission is interested in knowing what the RF power is for various data rates. My suggestion is to create a table similar to that shown on page 13 and provide all appropriate power measurements.
- 5.) Please review your band edge measurements carefully and be certain that measurements within the restricted bands of 15.205 were made with an appropriate 1MHz RBW. I will review very carefully once I have the other corrections to the Test Report.

A handwritten signature in black ink, appearing to read "William H. Graff".

William H. Graff
President and Director of Engineering

[mailto: whgraff@AmericanTCB.com](mailto:whgraff@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.