RE: Unitech Computer Co., Ltd.
FCC ID: HLEPA500

Dear Bill,
Here are our answers,
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?
ANS: We are sorry to the mistakes. This is a typo. The correct output power is 74.82mW (18.74dBm), same as the SAR report. The 17.64dBm has not been added cable loss yet. Please refer to pages 11.

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.
ANS: The power measurement between EMC and SAR report has no differences. Please refer to Answer 1.

3.) Please see your Test Report, pages 23 and 24. It appears that you have mixed up peak and average measurements.
ANS: It has been corrected.

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.
ANS: It has been corrected. Please refer to section 9.1 page 21 of the SAR report, and pages 4 of the EMC report.

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.
ANS: We conduct the band edge measurements by 1MHz RBW each time. Thanks for your reminding.

Daphne
Apr. 27th, 2007