

2<sup>nd</sup> April 2003

Mr. Robert Paxman

Intel Corporation  
2300 Corporate Center Drive  
Thousand Oaks, CA 91320

Reference FCC ID: E2K24CLNS\_ATCB000302

Dear Mr. Paxman,

Enclosed are the responses to the questions set by Mr. Dennis Ward ATCB. I have only answered the questions, which address the areas of the project executed by APREL Laboratories.

**Question 1.**

***Please verify that the power meter head used to measure power in the SAR report was a peak power meter head.***

The power sensor (head) used to measure power is a broadband high-end power sensor, which can measure peak power, RMS, average power, and crest factor. The power sensor is manufactured by Gigatronics and is a 601 series. The power was assessed while the power meter was set to peak power measurement.

**Question/Comment 2.**

***Please note, as mentioned in the original application, SAR testing for hands, wrist, feet etc is superfluous and is neither needed nor desired for laptop computer configurations. Also, please note that the FC has not released an appropriate test or evaluation procedure for this type test and as such does not allow TCBs to evaluate this type test. Since this test is not needed, and since there are no procedures established by the FCC for this test, it will be ignored in the evaluation of the SAR. The only SAR values to be listed on the grant will be those that the TCB is allowed to evaluate.***

Having reviewed the TCB training notes (emailed to you on Monday 31<sup>st</sup> March 2003), it is necessary to document values for "direct contact" if the hand could be located within 2cm of the antenna. This information has been included so as to comply with the requirements of the FCC. It is also a requirement by my client "Intel" that all assessed values be documented in the report to avoid further questions arising at a latter date from the FCC due to the inability of the TCB to review said data.

**Question 3.**

***Please provide the data for the Body SAR plots as required by the FCC OET SAR evaluation form.***

The required information concerning the parameters associated with the test has been included in the SAR test data report on page 25. Having reviewed the SAR Review Reminder sheet, APREL are of the opinion that all the required areas of information associated with the analysis are included within the body of the report. Due to the ambiguous nature of the SAR Review Reminder Sheet APREL feel that this is open to the readers/users own interpretation. Where any changes to the process have been made this is documented. Please note that the antenna, position, and configuration did not change (internal antenna), the ambient condition of the lab did not change, and that it is impossible to fit all of the text, along with two legible graphic plots (area and Z) on the one page.

If you have any further questions, relating to this project please let me know.

Regards,

Stuart Nicol

**Director Product Development,  
Dosimetric R&D.**