20th August 2003

Mr. Robert Paxman

Intel Corporation
San Diego CA

Re: FCC ID PU5MS2133
Applicant: Wistron Corporation
Correspondence Reference Number: 25598
731 Confirmation Number: EA859241

Dear Mr. Paxman,

Here are the responses to the questions set by Diane Poole from the FCC.

Question 1.

Justification for probe calibration used. Probe calibration states a CF of 5.6 while the SAR contour plots state 6.6. Please explain.

The probe used has two different calibration records, which depend on the amplifier being used at the probe input stage. The amplifier utilized for this assessment was a back up unit, hence the reason why the calibration report CF numbers and the CF numbers used for the assessment do not match. The correct conversion factor is indeed 6.6 as what was used during the SAR assessment.

Question 2.

Clarification of antenna positions. Page 2 states that antenna is under keyboard while SAR contour plots suggest antenna is in display. Please clarify. If in keyboard are please provide SAR results for lapheld lid open configuration.

This is a type error; the location of the antenna is in the top left area of the LCD.

Question 3.

Difference between keyboard up position in graph1 and that in graph 2.

The graphs presented have no difference, as they represent the same scan used for both the assessment of the 1 and 10 gram averages. This has been included for visualisation purposes.

Question 4.

Difference between keyboard up position in setup photo 1 and 2.

The difference between both images contained within the report, is a shifting of the phantom, and an inclusion of a Styrofoam block used to provide stability for the device under test. This change in process allowed a more detailed scanning area for the conservative SAR recorded in the report.

Question 5.

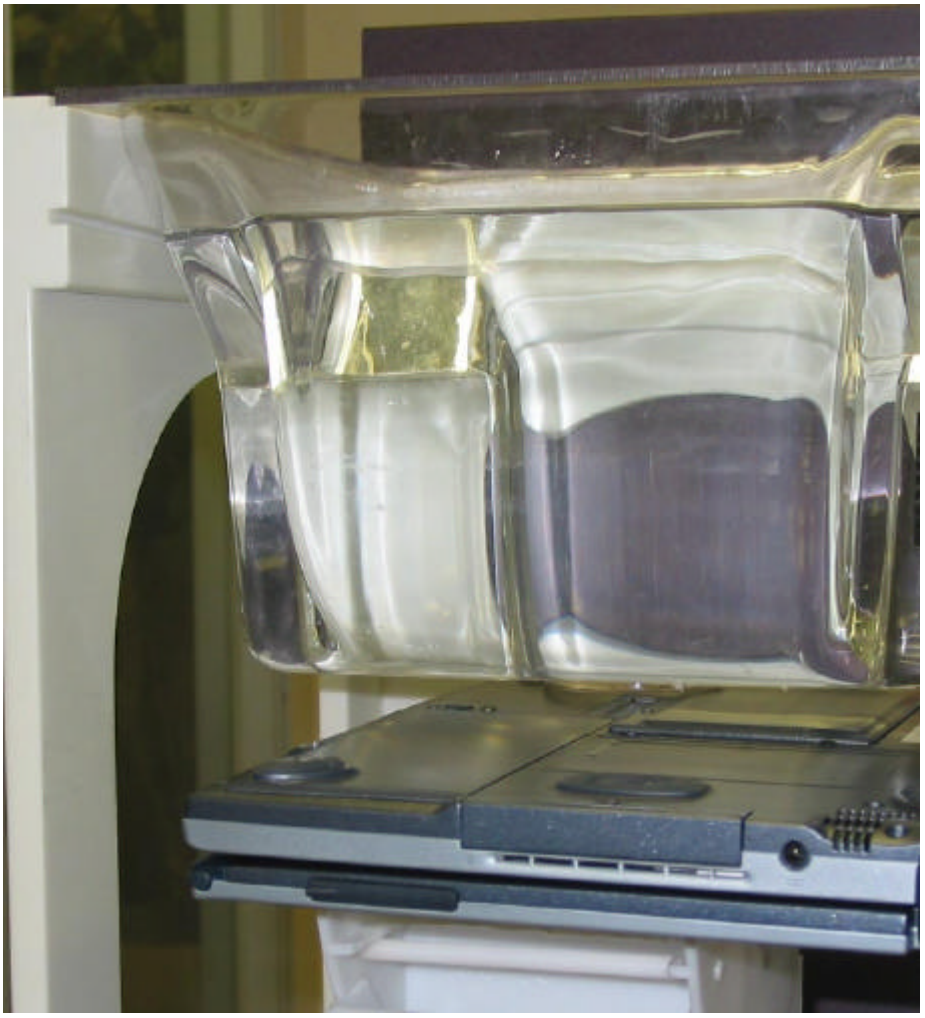
Justification for system validation. Target value appears to be for head liquid while testing was performed in body liquid. Consider repeating system validation with both liquids to establish comparative values under similar conditions.

The numbers used are in line with conditions as defined for the lab, along with procedures for mixing SAR tissues. Extensive FDTD analysis has been executed, to provide data for recording and assessing conservative SAR for both head and body. The results from these numerical exercises have shown that no real delta can be assessed when comparing body and head results. As a result of this research the target values have been harmonised with those for head so that the methodology for the dipoles does not have to change. Following the guide lines for 1528 APREL Laboratories feel that it is not necessary for additional system validations to be made, as due diligence has been shown in our approach to prove conformity of the measurement system. APREL Laboratories are continuing the research within this area and will make data available to the FCC in a white paper format when completed.

Question 6.

Photograph for keyboard down tablet mode.

The image for keyboard down while in tablet mode is presented on the next page. It should be noted that the keyboard down mode, is similar to that which is presented while the unit operates with the LCD closed.



I trust that the above information should be enough for the FCC to proceed. If you have any further questions please let me know.

Regards,

Stuart Nicol

Director Product Development,
Dosimetric R&D.

51 Spectrum Way
Nepean, Ontario
Canada K2R 1E6

Tel (613) 820-2730
Fax (613) 820-4161

Email: info@aprel.com
HTTP://www.aprel.com