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Correspondence Reference Number: 25972 731 Confirmation
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Subject: RF Exposure

1) NII indoor antenna instruction not found in laptop user manual, but page F-1 does refer to "Information to the User." User Manual exhibits consist of two files - PortegeM200 manual and 7-page "FireboltPA3297" manual. Will all 7 pages of latter be given to user, or only pages 4-7 entitled "Information sheet"

<CCS> Yes all 7pages of Firebolt PA3233 Manual will be delivered to the user when they purchase this device. And it includes following indoor instruction on page 7.

Caution: Radio Frequency Interference Requirements.

This device is restricted to indoor use due to its operation in the 5.15 to 5.25 GHz frequency range. FCC requires this product to be used indoors for frequency range 5.15 to 5.25 GHz to reduce the potential for harmful interference to co-channel Mobile Satellite systems. High power radars are allocated as primary users of the 5.25 to 5.35 GHz and 5.65 to 5.85 GHz bands. These radar stations can cause interference with and/or damage this device.

2) PortegeM200 manual pg 4-16 states: "Carefully check that the computer is available for Wireless LAN communication in Tablet mode for Wireless LAN and Bluetooth.

Laptop mode gives the highest reception sensitivity of wireless communication.

Change the operation mode of the computer to the laptop mode when you cannot use the wireless communication in the Tablet mode.

Also try to use the computer in the laptop mode with the LCD panel open when you cannot use the wireless communication even if in the laptop mode with the LCD closed.

The reception sensitivity of wireless communication becomes lower in the operation mode described below. Laptop mode (with LCD panel open) > Laptop mode (with LCD panel closed) > Tablet "

FYI this paragraph is a bit unclear. You may want to better clarify, e.g., communication efficiency becomes less for configurations left to right in last sentence. Changes not required for this filing.

<CCS> Thanks for the advise we will work with applicant to make necessary update.

3) Please submit output from 5-6ghz SAR liquid dielectric parameter test system

<CCS> Please refer to uploaded file entitle "Liquid dielectric parameters.pdf"

4) Please submit all 5-6ghz SAR liquid ingredients and mix procedures, or spec. sheet and/or ordering info if liquid is proprietary.

<CCS> Please refer to uploaded file entitle "Liquid Ingredient and Data Sheet.pdf"

5) SAR report pg 12 states: "The budge is valid for the frequency range 300 MHz to 3 G Hz"

Please clarify if and how this applies for 5-6GHz testing, or update for 5-6GHz if needed.

<CCS> This is a typo, this SAR uncertainty budge has been revised base on the new 5G probe, liquid and measurement methodology . Please refer to uploaded file entitle "5G SAR Report_revised_11-07-03.PDF"

6) For SAR 5-6GHz configs. 1 & 2 and 2.4ghz config. 1 is this laptop lid-open or tablet (closed) mode?

<CCS> It is in lid-closed tablet configuration, since only this configuration will bring antenna to within 20 cm of operator. Both antenna is located in top portion of the screen and will maintain at least 20 cm from the operator in normal laptop configuration.

7) SAR configs. 1 & 2 in 5-6GHz appear to have gap to phantom - why? Same configs in 2.4ghz do not have gap. May need re-test of 5-6ghz max SAR configs. without gap.

<CCS> Since only Tablet position is subjected to touch condition and all other usages is either bystander or sit on the arm, so tested to 1.5cm separation distance shall be sufficient to cover all the cases.

8) Please describe if or how SAR test configs. apply to user manual Fig. 3-2.

<CCS> Fig 3-2 documented the tablet in arm position, and as suggested on the illustration that a minimum of 1.5cm separation distance to operator body could be achieved normally. A bystander configuration for 1.5 cm separation distance had been preformed on the SAR test to demonstrate the compliance.

9) Please describe if or how SAR test configs. apply to four screen orientation options shown in user manual pg 4-10 etc.

<CCS> Please refer to attached illustration " Toshiba Reply to four screen orientation.pdf" for the answer. Thanks.

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 60 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee pursuant to Section 1.1108

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