

Office of Engineering and Technology

[FCC](#) > [FCC E-filing](#) > [Inquiry System Home Page](#) > Reply to OET Response

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Reply to an OET Inquiry Response

Currently Display Inquiry Tracking Number: 720160

Contact Information:

Customer First Name: **Steve**
Customer Last Name: **Liu**
Telephone Number: **410-290-6652**
Extension:
E-mail Address: **steve@pctestlab.com**

Address:

Line 1: **6660-B Dobbin Road**
Line 2:
P.O. Box:
City: **Columbia**
State: **Maryland**
Zip Code: **21045**
Country: **United States**

Inquiry Details:

First Inquiry Category: **Radio Frequency Exposure - MPE; SAR**
Second Inquiry Category: **Testing**
Third Inquiry Category:

Hello, we would like to receive guidance on the SAR testing physical setup required for this device. Please find attached related information and photographs.

---Reply from Customer on 04/02/2010---

Please see updated information with radio specifications.

Response(s):

--OET response sent on Apr 6 2010 10:19AM--

The availability of voice mode disqualifies this mini-notebook for consideration as a hand-held and hand-operated only device; therefore, KDB 447498(4)(c)(iii) would not apply. It is assumed that there is no voice capability for the 802.11 modes. It is also assumed that WCDMA at 850 MHz is the only 3G capability in the device; with no PCS band functions.

While it is unclear if the outputs specified for 802.11 are peak or average (conducted) power, it appears 802.11 modes may qualify for test exclusion with respect to 60/f. Bluetooth is also below 60/f. Routine SAR evaluation is required for 3G (850 MHz WCDMA and, if available, associated HSPA functions).

Assuming the device can conduct calls with the display in the closed position, SAR for 3G voice mode should be tested with the display closed and the bottom of the keyboard touching the flat phantom. If there are body-worn accessories or such provisions identified by any manual or user instructions, body-worn SAR should be considered for testing with the front of the device facing the flat phantom, with a separation distance in accordance with associated body-worn accessories. The user instructions in the manual should clearly identify the normal operating configurations for voice calls, with and without Bluetooth, to meet RF exposure compliance.

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Please send any comments or suggestions for this site to [OET Systems Support](#)

Federal Communications Commission
445 12th Street, SW
Washington, DC 20554
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Fax: 202-418-0232
E-mail: fccinfo@fcc.gov

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