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FCC ID: **BEJPDA-PE2030A**
Applicant: **LG Electronics USA**
Correspondence Reference Number: **5772** **Dated:** **11/08/2002**
731 Confirmation Number: **TC 582 500**

1) *15.247 should list conducted power not EIRP on Form 731 line item; please correct grant.*

Answer: The grant has been corrected accordingly

2) *Op desc and users manual says 10-100mW user adjustable, or 18dBm=63mW, or 16dBm +/- 2dB; Form 731 says 120mW. Please clarify and harmonize all exhibits if needed.*

Answer: the document "Operational Details WLAN Specification" (10-100mW) as well as the document "Exhibit 12 Operational Description"(16dBm +/- 2dBm) will be harmonised.

The device has been tested with maximum output power rating, as stated in the test report and on the Grant.

3) *SAR report has head data. Users manual does not appear to describe held-to-head use. Please explain held-to-head use.*

Answer: The head use was requested by the customer. This device implements two radios (Bluetooth and WLAN 802.11b) and they would cover the situation when they use the device for telephone over IP.

Reason for the Head SAR Testing: LG has some possibility to implement VoIP function in the future. In that case user will use PDA as a phone. So they perform the Head SAR just in case.

4) *Users manual pg B-1 says Bluetooth is optional. Is there a version without Bluetooth module and antenna? What is affect on SAR? Repeat max SAR configurations with Bluetooth de-populated if needed.*

Answer: There are no versions without Bluetooth Model. LG will go for the production with the model which they tested, which means Bluetooth AND WLAN included.

5) *As an extra check on system performance, it is useful to show SAR vs distance along normal-line to surface at "hot spot." Please submit this for max SAR configurations if available. Please submit these "z-axis" plots in future filings.*

Answer: Z-axis plot were not delivered since the device was measured at the vertical side of the box phantom, which then provides for the z-axis the 15 cm coverage of the liquid. The z-axis is in the horizontal position. (See photo 12 and 8/9)

6) *Please confirm that Bluetooth frequency-hopping was disabled for SAR tests.*

Answer: Yes, Bluetooth hopping was disabled. Section 9.1 of the SAR report shows the test frequencies used.



7) FYI in future filings please submit max SAR configuration with Bluetooth switched on and off.

Answer: The second transmitter wasn't tested in this manner since it was below the low threshold, but in the future we will provide these results with the second transmitter switched off and on.

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8) In SAR setup Photo 9, it appears device is near top surface of liquid. Please justify whether setup is correct. Note Suppl C ~pg 38:

Answer: "The length and width of the phantom should be at least twice the corresponding dimensions of the test device, including its antenna." Yes, This is the correct setup. Preliminary investigations and all test plots showed that the maximum SAR points were centered around the EUT's antenna. In photo 9 the top of the device is near the top of the liquid. This positioning was chosen to place the EUT's antenna in the center of the surface of the phantom.



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