
From: SunHee Kim (HCT)
Sent: Tuesday, July 28, 2009 5:01 AM
To: PCTEST TCB/CB
Subject: Re: Questions Regarding FCC ID: BEJBL40F (1)

Dear PCTEST,

Thank you for your comments.
Please find the revised files and replies are embeded below your questions.
Please give me the Grant without the confirmation request process.
Should you have any questions, please let me know.

Best Regards,
SunHee Kim

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Ms. SunHee Kim

Engineer, Product Compliance Division

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----- Original Message -----

From: [PCTEST TCB/CB](#)

To: [HCT - SunHee Kim](#)

Sent: [Saturday, July 25, 2009 12:01 PM](#)

Subject: Questions Regarding FCC ID: BEJBL40F

To: Ms. Sun-Hee Kim / HCT
From: Mr. Gregory Czumak/ PCTEST TCB

RE: FCC ID: BEJBL40F

Applicant: LG Electronics Inc.

Correspondence Reference Number: BEJ90894
Confirmation Number: 907210894-7
Date of Original Email: July 24, 2009

Subject: Request for additional information

In regards to your recent TCB application referenced above, we kindly request that you provide the following additional information.

1. The User's Manual does not contain the user information required by the FCC. Please revise to include this information and resubmit the Manual.
==> [We revised the User Manual.](#)
2. Please provide more detailed Block Diagrams for the BT and WLAN.
==> [Please find the revised file.](#)
3. The FM TX Block Diagram shows the RCLK frequency equal to the Crystal Oscillator frequency. Is this correct?
==> [We revised the frequency.](#)
4. Please confirm that the WLAN bandedge and spurious RF conducted measurements were performed with a peak detector. If they were not, please remeasure with a peak detector and submit new data.
==> [We used a peak detector mode.](#)
5. Were the WLAN conducted output power measurements performed with a peak or average detector? If average, then the out-of-band limit (including at the bandedges) is 30 dBc, not 20 dBc. Please address.
==> [We used a peak detector mode.](#)

6. In accordance with Sections 15.35 and 15.239(b), please provide peak radiated emission data for the FM TX.
==> Please find the revised FMT Test report on page 10.
7. Please recalculate cellular head SAR measurements (both GSM and WCDMA), including the validation test, using the probe conversion factor for the 900 MHz calibration (not 835 MHz). Also, please recalculate those PCS head SAR levels (both GSM and WCDMA) that were made with an incorrect probe conversion factor.
==> We recalculate the GSM1900 datas using the correct probe conversion factor. We used the 835 MHz (not 900 MHz) and 1900 MHz probe factor in GSM and WCDMA band.
8. The WLAN has a measured conducted output power of 164 mW, yet the reported measured WLAN body SAR is 0.0 W/kg- this seems unlikely. Please confirm that the EUT was operating at full power and duty cycle (100%) during these measurements. If it was, please explain the lack of measurable SAR.
==> The WLAN body SAR value is 0 W/kg even though the conducted power is high. The Body SAR were performed under the full power and 100% duty cycle with separation distance 1.5 cm.
9. Please correct the following typo: p.1 of the FM TX report at the top lists Section 15.247.
==> Please find the revised FMT Test report on page 1.
10. Please correct the following typo: p.6/24 of the FM TX report, the Summary lists an incorrect high channel frequency.
==> Please find the revised FMT Test report on page 6.
11. FYI: ANSI C63.4 requires that items on the test stand (along the back edge) be placed 10 cm apart. In the future, please be sure that this is the case.

The item indicated above must be submitted before processing can continue on the above referenced application.

Sincerely,

Gregory Czumak
Senior Certification Engineer
Quality Manager

PCTEST Engineering Laboratory, Inc.

6660-B Dobbin Road
Columbia, MD 21045
410-290-6652
410-290-6654 (Fax)

gregory@pctestlab.com

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