

From: "JayKim" <JayKim@estech.co.kr>  
To: "Timothy R. Johnson" <tjohnson@AmericanTCB.com>  
Subject: RE: Review of LG Electronics,Inc., FCC ID: BEJLSI120R

Tim,

Thank you for your effort for us.  
I think it is deep night in your country.

For the EMC/SAR conducted power, it is measured with power meter.  
For the various modes of power, it is measured with 5515C with connecting by call.  
But we checked the various modes of power with power meter also.  
It is almost same. I can say surely the peak power is not higher than the power of SAR testing.  
Here is the comment from my client for the power output limitation.

- Using calibration Procedure, LSI-120 Max. AGC value is limited.  
All applicable mode, although LSI-120 is received power up command consecutively,  
AGC value is maintained limited value.

Thank you.

Jay Kim.

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**From:** Timothy R. Johnson [mailto:tjohnson@AmericanTCB.com]  
**Sent:** Friday, November 18, 2005 3:50 PM  
**To:** JayKim  
**Subject:** RE: Review of LG Electronics,Inc., FCC ID: BEJLSI120R

Jay,

The EMC/SAR conducted appears as Peak Power Meter, while power test for various modes provide states Digital Average Power. Please clarify and explain how these powers relate to each other as one appears peak, the other average. Was the same test/method used for both? Etc.

What the FCC is primarily concerned with is that the mode selected for SAR was determined to be worse case. Therefore either the worse case mode given in the power table should have been used for SAR, or the test mode use must be greater than/equal to worse case from the power table without exceeding a +5% tolerance. Please clarify this issue as necessary.

Thanks,

Tim

At 03:41 PM 11/18/2005 +0900, you wrote:

Tim,

Thank you for your great job for us.  
For FCC testing, we normally use the test program from LG.  
With that, we can tune the power and transmit the signal continuously.  
I hope it can be helpful for you.

Thank you.

Jay Kim.

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**From:** Timothy R. Johnson [ <mailto:tjohnson@AmericanTCB.com> ]

**Sent:** Friday, November 18, 2005 3:37 PM  
**To:** JayKim; 'Timothy R. Johnson'  
**Cc:** ytnoh@lge.com; 'Sung-Ryul Kim (Estech)'  
**Subject:** RE: Review of LG Electronics,Inc., FCC ID: BEJLSI120R

Jay,

Let me first say that I am very impressed with the information provided to cover the necessary items.

However the one concern regarding the power information provided is it is not clear which mode the test setup would achieve and was used during SAR testing, or was SAR done using a different mode and/or sample that produced even higher power. Can further explanation be provided to clarify this?

Thanks,

Tim