
From: 차계영 [cgyloves@hct.co.kr]
Sent: Tuesday, June 05, 2007 3:34 AM
To: PCTEST TCB
Cc: alondra@hct.co.kr; 'KiSoo Kim (HCT)'; PCTEST - Gregory Czumak; PCTEST - Randy Ortanez; PCTEST - Steve Liu; PCTEST - Mia Kang; PCTEST - Channy Park; LGE - Bong Hyo, Han; 박근호(HCT); 정동래대리(HCT); 이상준과장(HCT)
Subject: Re: Questions Regarding FCC ID: BEJKG290
Attachments: KG290_RF REPORT (24E)-Rev1.pdf; KG290_Block diagram.pdf

Dear Sir,

Thank you for your kindness. We checked your Question and here are the answers:

1. The Operational Description lists Class 12 (4 slot) GPRS, however, body SAR was only tested in Class 10 (2 slot) mode. Is Class 12 mode available? If so, please recalculate body SAR using a 1:2 duty cycle and submit new results.

-> Actually, KG290 supports Class 10. As expected, the main chip in KG290 just supports Class 12(4 slot) GPRS.

Therefore, no needed to recalculate body SAR using a 1:2 duty cycle.

2. Please address the 4 requirements of Section 15.247(a)(1) for the frequency hopping (Bluetooth) transmitter.

-> **15.247(a)(1)**

the hopping sequence must be pseudorandom

all Channels are used equally on average

the receiver input bandwidth is approximately equal to the transmit bandwidth

the receiver hops in sequence with the transmitted signal

3. Please address Sections 15.247(g) and (h) for the frequency hopping (Bluetooth) transmitter.

-> **15.247(g)**

the system is designed to comply with all of the regulations in Section 15.247

when the transmitter is presented with a continuous data (or information)

15.247(h)

the system does not coordinate its channel selection/hopping sequence with other frequency hopping systems for the express purpose of avoiding the simultaneous occupancy of individual hopping frequencies by multiple transmitters

4. Please submit a CDMA block diagram of the RF section (only a baseband block diagram was submitted) that shows all of the clocks/oscillators.

->Attached please find "KG290_Block diagtam.pdf"

5. We note the following typo: p.1 of the Part 24 EMC report refers to "CDMA".

->Attached please find "KG290_RF REPORT (24E)-Rev1.pdf"

Please kindly check and if you have any comment for above, please don't hesitate contact me.

(Ms.) GYE-YOUNG CHA

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 San 136-1, Ami-ri, Bubal-eup, Icheon-si,
 Kyoungki-do, Korea 467-701
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----- Original Message -----

From: [PCTEST TCB](#)
 To: cgyloves@hct.co.kr
 Cc: alondra@hct.co.kr ; 'KiSoo Kim (HCT)' ; [PCTEST - Gregory Czumak](#) ; [PCTEST - Randy Ortanez](#) ;
[PCTEST - Steve Liu](#) ; [PCTEST - Mia Kang](#) ; [PCTEST - Channy Park](#) ; [LGE - Bong Hyo, Han](#)
 Sent: Friday, June 01, 2007 4:18 AM
 Subject: Questions Regarding FCC ID: BEJKG290

To: Mr. Gye-Young Cha / HCT
 From: Mr. Gregory Czumak / PCTEST TCB

RE: FCC ID: BEJKG290

Applicant: LG Electronics Co., Ltd.

Correspondence Reference Number: BEJ7467
 Confirmation Number: 705300467-469
 Date of Original Email: May 31, 2007

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 Operational Description lists Class 12 (4 slot) GPRS, however, body SAR was only tested in Class 10 (2 slot) mode. Is Class 12 mode available? If so, please recalculate body SAR using a 1:2 duty cycle and submit new results.
2. Please address the 4 requirements of Section 15.247(a)(1) for the frequency hopping (Bluetooth) transmitter.
3. Please address Sections 15.247(g) and (h) for the frequency hopping (Bluetooth) transmitter.

4. Please submit a CDMA block diagram of the RF section (only a baseband block diagram was submitted) that shows all of the clocks/oscillators.
5. We note the following typo: p.1 of the Part 24 EMC report refers to "CDMA".

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

Sincerely,

Gregory Czumak
Senior Certification Engineer

Quality Manager

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