
From: DuckSu Kim
Sent: Tuesday, June 15, 2010 1:56 AM
To: PCTEST TCB/CB; 함재준
Cc: 장우태; 장왈운; 김성연; PCTEST - Gregory Czumak; PCTEST - Randy Ortanez; PCTEST - Channy Park; PCTEST - Mia Park; 전자메일
Subject: Re: Questions Regarding FCC ID: A3LGTI8520

Dear PCTEST TCB,

Please find revised operation description, user manual and BT/WiFi document.

Regarding the HSUPA reduction power, we got the confirm from engineer as below.

According to 3GPP 25.101 6.2.2, the maximum output power is allowed to be reduced.

CM = 1 for $\beta_c/\beta_d = 12/15$, $\beta_{hs}/\beta_c = 24/15$.

For all other combinations of DPDCH, DPCCH, HS-DPCCH, E-DPDCH and E-DPCCH the MPR is based difference. MPR is used to address linearity problems in HSUPA that has high peak-to-average ratios (PA saturate the DAC. Thus it experiences a reduced power output to the RF chip according to the Cubic Metr

When E-DPDCH channels are present, the beta gains on those channels are reduced first to try to get the allowed limit. If the beta gains are lowered as far as possible, then a limit is applied at the maximum allow

The software recalculates the cubic metric when the beta gains on the E-DPDCH are reduced. The cubic metric will get lower each time this is done. However, there is no reported reduction of maximum output power mode since the device also increases the gain of the PA. Therefore the DUT output power is the same as there is no MPR in the device.

We'd appreciate it if you would issue FCC grants as soon as possible.

Best Regards,
Ducksu Kim.

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

Sender : PCTEST TCB/CB<pctesttcbl@pctestlab.com> pctesttcbl@pctestlab.com

Date : 2010-06-12 12:50 (GMT+09:00)

Title : Questions Regarding FCC ID: A3LGTI8520

To: Mr. Geoffrey Ham / Samsung Electronics Co., Ltd.
From: Mr. Gregory Czumak / PCTEST TCB

RE: FCC ID: A3LGTI8520

Applicant: Samsung Electronics Co., Ltd.

6/15/2010

Correspondence Reference Number: A3L00664
Confirmation Number: 1Y1006010664-67
Date of Original Email: June 11, 2010

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. On page 8/31 of the User's Manual, the last sentence refers to the max measured SAR levels. Please either remove this sentence, or else add the measured max SAR levels.
2. Page 1 of the BT/WiFi document lists the max antenna gain as -4.77 dBi, but p.102 lists the max peak antenna gain as 0.44 dBi. Please revise the table on p.1.
3. The DTS and DSS block diagrams lack sufficient detail of the RF sections of these transmitters. Please submit a DSS and a DTS block diagram that provides more detail (please see the example block diagrams sent with the RT email for A3LSGHI897).
4. Page 1 of the Operational Description lists GPRS Class 11, but the SAR report contains 4-slot power data. Please reconcile.

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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