
From: SunHee Kim (HCT)
Sent: Monday, December 08, 2008 4:16 AM
To: PCTEST TCB
Subject: Re: Questions Regarding FCC ID: TYKNX9250

Dear Steve,

Thank you for your patience.
We attached the revised documents and replies are embedded below your questions.
If you have any questions, please let me know. Thank you!

Best Regards,
Sun-Hee Kim

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Ms. SunHee Kim

Engineer, Product Compliance Division
HCT Co.,Ltd

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

From: [PCTEST TCB](#)

Sent: Saturday, December 06, 2008 7:56 AM

Subject: Questions Regarding FCC ID: TYKNX9250

To: Ms. Sun-Hee Kim / HCT
From: Mr. Steve Liu/ PCTEST TCB

RE: FCC ID: TYKNX9250

Applicant: CASIO Hitachi Mobile Communications Co., Ltd.

Correspondence Reference Number: TYK81117
Confirmation Number: 812011117-19
Date of Original Email: December 5, 2008

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. Please describe in further detail the nature of the transmission behavior of the two Tx paths per band described in the operational description.
==> [Please find the attachment operational description.](#)
2. Please describe in further detail regarding operation of the diversity antenna in the

block diagram. Are both for Tx?

==> Please find the attachment operational description.

3. R&S ESH3-Z2 equipment in the BT Report is out of calibration for the date tested. Please address.

==> Please find the revised BT Report.

4. Tune-Up operating conducted RF power levels (26.91 dBm DCN; 25.26 dBm PCS) appear to exceed that measured in the EMC and SAR report (24.8 dBm both bands) and the HAC Report (24.0 dBm). Please address and reconcile the powers that will be tuned for this EUT.

==> Please find the attachment Tune-Up procedure.

5. Please explain the usage and annual calibration for R&S ESI40 in the 22/24 Report. The calibration due is 11/6/2009 which means the calibration date was 11/5/2008; however the 22/24 test was performed on 11/3/2008.

==> Please find the revised 22/24 Report.

6. Please clarify what RC/SO combination was used to generate the 22/24 test results. Please clarify which mode was used for band edge and also ERP/EIRP.

==> We used RC3/SO55 mode during the 22/24 testing.

7. Please amend units for SAR in some of the SAR plots. Some appear to be incorrect (i.e. Mw/g is not technically correct)
8. Some Area and Zoom scan plots require to be zoomed in, to verify the 1 gram cube scans were appropriately captured. Please provide zoomed in plots.
9. Body SAR plot does not indicate the location of the EUT with respect to the area scan, to verify scan coverage. Please re-submit the plot.
==> As for SAR, we'll submit the revised SAR report tomorrow.
10. Page 12 of the HAC Report for 1/8 rate SA plot does not appear to correspond to the 1/8 rate gating behavior of EVRC of RC1/SO3. The actual EUT's 1/8 rate behavior is required to be measured for PMF in this case. Please address.
==> The reported plot is a sample one of Signal Generator's 1/8 rate.
We already performed the 1/8 rate testing using RC1/SO3 to verify there is no difference between SG and EUT.
As you can find, the EUT's 1/8 rate SA plot is almost same as SG. For your reference, we attach the Spectrum Analyzer plot.

1. Please confirm HAC Key Feature list models. The model name does not appear in any of the other documents provided.
2. Please include in the HAC key features declaration (per KDB 285076): all radio services (by 47 CFR Part) on which the equipment operates, air interfaces, bands and user capabilities
==> Please find the revised HAC key features declaration.

FYI: Please note that, in accordance with Section 2.1033(b)(3) of the FCC Rules, the final version of the user's manual for this device must be uploaded to the FCC database when it becomes available.

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

Sincerely,

Steve Liu
Certification Engineer

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