

Chris Harvey

From: Kim, Sun-Hee (HCT) [alondra@hct.co.kr]
Sent: Thursday, February 17, 2011 4:08 AM
To: charvey-tcb@ccsemc.com
Cc: 소재상 차장(HCT); lucy.tsai@ccsemc.com; Chris Harvey; Ji Young Lim(HCT); 이상준 차장(HCT); 홍성고 부장(HCT); 박근호 과장(HCT); 장현아 (HCT); 곽효선 (HCT)
Subject: Re: PANTECH CO., LTD., FCC ID: JYCSHOW, Assessment NO.: AN11T0078, Notice#1
Attachments: TXT8040_User's Manual_Rev.1.pdf; T-Coil REPORT_TXT8040.pdf; APPENDIX D_CONTOUR PLOTS.pdf; APPENDIX E_HAC T_COIL TEST SETUP PHOTOS.pdf

Hi Chris,

Thank you for your comments.

Please find the revised file and replies are embedded below your questions.

Regarding the HAC Model counting, I have some questions.

FCC document;

*Physical changes to a handset that result in a change in the HAC rating
 – the handset must be given a new model designation.*

As I understand, if the M/T Rating changed, it is counted as a new model.

Then, if the M/T Rating is same as original model, is this counted as a new model, too?

Please check and help me.

Thank you.

Best Regards,
 SunHee Kim

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

From: <charvey-tcb@ccsemc.com>

To: <alondra@hct.co.kr>

Cc: <CHARVEY@IEEE.ORG>; <lucy.tsai@ccsemc.com>

Sent: Wednesday, February 16, 2011 11:45 PM

Subject: PANTECH CO., LTD., FCC ID: JYCSHOW, Assessment NO.: AN11T0078, Notice#1

2/18/2011

> Dear SunHee,

>

> You are listed as the Technical Contact for the above referenced TCB application. The following item(s) need (s) to be resolved before the review can be continued:

>

> 1. There seem to be some inconsistencies in the power measurements and statements:

> The Operational Description exhibit states Conducted power as 26.2dBm +/-0.2dB

> The Tune-Up Procedure exhibit also states 26.2dBm +/-0.2dB but then has tables for the Radio Configurations with maximum power of 25.1dBm.

> The RF test report exhibit has Maximum Conducted Average measurement of 24.12dBm.

> The antenna specification exhibit indicates gain of -13dBi for 850MHz band and +0.5dBi for PCS band, but the RF report states antenna gain of built-in Karam Solution antenna is 1.78dBi.

> The RF report documents 850MHz band ERP of 24.91dBm and 1900MHz band EIRP of 28.53dBm.

> The SAR report documents a maximum Conducted Average measurement of 24.10dBm.

> Please explain the discrepancies and/or revise the appropriate exhibits.

>

==> The Operational Description, Tune-Up procedure conducted power(26.2 dBm) is not the normal operation condition.

It is the maximum power in debugging mode or specific command mode. Manufacturer confirmed that the user operation maximum power is 24 dBm.

The Original documents are same as this time.

As for the Antenna gain, the -13dBi for 850MHz band and +0.5dBi for PCS band are Rx gain. Tx gain 1.78 dBi is correct. Please double-check.

> 2. You have submitted a new HAC RF test report for the M4 rating (no change from original). You have no submitted a new T-Coil HAC report. Have there been any changes to this devices T-Coil circuitry?

==> Please find the T-coil Report.

>

> 3. The Manual states the highest SAR was 0.893W/kg near ear and 0.279W/kg Body-worn. The maximum AR values documented in this C2PC application are 1.31W/kg at the head and 0.71W/kg Body-worn. The SAR numbers are not required by FCC to be placed in the manual, but if the numbers are listed in the manual they must be correct. Please update the Manual statements accordingly.

==> Please find the revised User Manual.

>

> The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information within 30 days of the original e-mail date may result in application dismissal and forfeiture of the filing fee. Also, please note that partial responses increase processing time and should not be submitted. Any questions about the content of this correspondence should be directed to the e-mail address listed below the name of the sender. Revised documentation should not be emailed, but instead should be submitted through "Add Attachment" function at the UL-CCS website. Please have your Assessment Number and FCC ID/IC Certification number handy. You may use the following link:

<https://cert.ccsemc.com/filing/>

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> Best regards,

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> Chris Harvey

> Charvey-tcb@ccsemc.com

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