

Chris Harvey

From: gina.lo [gina.lo@ccsrf.com] on behalf of application.2009 [application.2009@ccsrf.com]
Sent: Thursday, April 09, 2009 7:02 AM
To: Chris Harvey
Cc: 'application.2009'; 'Chris Harvey'; lucy.tsai@ccsemc.com; 'Mike Kuo'; joyce.kuo@quantatw.com; Meikeer.Huang@quantacn.com; allen.lin; noor.yu
Subject: Re:RE: RE: FW: Quanta Computer Inc., FCC ID: HFS512ANMMWF3507G, Assessment NO.: AN09T8814, AN09T8817, AN09T8819 & AN09T8820, Notice#2a
Attachments: 11N3G SAR Report TestPlots Revised 0409.pdf; 11N3G SAR Report Revised 0409.pdf

Dear Chris,

We revised the SAR test report & TestPlots as the attachment, thank you.

Best Regards,

Gina

"Chris Harvey" <charvey@ieee.org>

±H¥ó¤HjG Chris Harvey
<charveyemc@gmail.com>

2009/03/17 08:32 PM

!-¥ó¤HjG "application.2009" <application.2009@ccsrf.com>
°Æ¥»§Û°e;G "Chris Harvey" <charveyemc@gmail.com>, <lucy.tsai@ccsemc.com>, "Mike Kuo"
<mike.kuo@ccsemc.com>
¥D!@jG RE: RE: FW: Quanta Computer Inc., FCC ID: HFS512ANMMWF3507G, Assessment NO.: AN09T8814,
AN09T8817, AN09T8819 & AN09T8820, Notice#2a

Gina, I have reviewed the revised SAR report for this device. While you have provided measurements in each of the HSPA subsets, the power levels do not match the expected power reductions of 0dB, 2dB, 1dB, 2dB, 0dB. There is no detailed explanation of the MPR implementation or why the power reduction does not match the expected pattern of the 3GPP standard.

Please provide more detailed explanation of the above items.

Best regards,

Chris Harvey
charvey@ieee.org
410-750-0860

From: gina.lo [mailto:gina.lo@ccsrf.com] On Behalf Of application.2009
Sent: Monday, March 09, 2009 5:32 AM
To: Chris Harvey
Cc: 'application.2009'; 'Chris Harvey'; lucy.tsai@ccsemc.com; 'Mike Kuo'
Subject: Re:RE: FW: Quanta Computer Inc., FCC ID: HFS512ANMMWF3507G, Assessment NO.: AN09T8814,

4/13/2009

AN09T8817, AN09T8819 & AN09T8820, Notice#2a

Dear Chris,

We revised the SAR test report (page 28-31) as the attachment, thank you.

Best Regards,

Gina

"Chris Harvey"

<charvey@ieee.org>

±H¥ó±H;G Chris Harvey

<charveyemc@gmail.com>

!-¥ó±H;G "application.2009" <application.2009@ccsrf.com>

°Æ¥»\$Û°e;G "Chris Harvey" <charveyemc@gmail.com>, <lucy.tsai@ccsemc.com>, "Mike Kuo"

<mike.kuo@ccsemc.com>

¥D!@;G RE: FW: Quanta Computer Inc., FCC ID: HFS512ANMMWF3507G, Assessment NO.: AN09T8814, AN09T8817, AN09T8819 & AN09T8820, Notice#2a

2009/02/26 05:38 AM

Amanda, thank you for your e-mail. Please note that since this is an FCC Permit But Ask (PBA) application, this application will take additional time for processing.

I see that you have provided power measurements in subsets 1, 2, 3, 4 and 5. The FCC's guidance indicates that the expected power reduction pattern of 0, 2, 1, 2, 0 db. The measurements on page 30 of the test report does not show the expected pattern (see FCC's comments in the previous email, below). Additionally you have not included any information about the Maximum Power reduction (MPR) implementation of this device. Please address all of the FCC's concerns for this application.

Here is an excerpt of the FCC comments:

TCBs must verify the power measurement results according to 3GPP MPR requirements and how it is implemented in the device being tested

When MPR is implemented per 3GPP standards, then valid HSUPA subtest 1,2,3,4,5 results are expected to show power reduction of 0,2,1,2,0 dB respectively.

Detailed explanations must be included in the PBA, as well as the final SAR report to substantiate the test results.

a) 3GPP Rel 6 power test results do not appear to show 0,2,1,2,0 reductions - if not in attachments already please provide specific details about device implementation of Maximum Power Reduction according to Cubic Metric (CM) requirements.

b) 3GPP Rel 6 power test results do not appear to show 0,2,1,2,0 reductions - if not in attachments already, TCB please address at least below provisions 2) b) i) & ii)

4/13/2009

Best regards,

Chris Harvey
charvey@ieee.org
410-750-0860

From: amanda.wu [mailto:amanda.wu@ccsrf.com] On Behalf Of application.2009
Sent: Tuesday, February 24, 2009 1:13 AM
To: Chris Harvey
Cc: 'application.2009'; Chris Harvey; lucy.tsai@ccsemc.com
Subject: Re:FW: Quanta Computer Inc., FCC ID: HFS512ANMMWF3507G, Assessment NO.: AN09T8814, AN09T8817, AN09T8819 & AN09T8820, Notice#2

Dear Chris,

We revised the SAR test report (page4, 26-30) as the attachment, thank you.

Best Regards,

Amanda Wu

"Chris Harvey"

<charvey@ieee.org>

±H¥ó¼H;G Chris Harvey

<charveyemc@gmail.com>

!-¥ó¼H;G "application.2009" <application.2009@ccsrf.com>

°Æ¥»§Û°e;G <lucy.tsai@ccsemc.com>

¥D!@;G FW: Quanta Computer Inc., FCC ID: HFS512ANMMWF3507G, Assessment NO.: AN09T8814, AN09T8817, AN09T8819 & AN09T8820, Notice#2

2009/02/14 04:45 AM

Best regards,

Chris Harvey
charvey@ieee.org
410-750-0860

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

From: charvey-tcb@ccsemc.com [mailto:charvey-tcb@ccsemc.com]

Sent: Friday, February 13, 2009 3:46 PM

To: application.2009@tw.ccsem.com

Cc: chris.harvey@ccsemc.com; lucy.tsai@ccsemc.com

Subject: Quanta Computer Inc., FCC ID: HFS512ANMMWF3507G, Assessment NO.: AN09T8814, AN09T8817, AN09T8819 & AN09T8820, Notice#2

4/13/2009

Dear Celia Hsieh,

These applications have been submitted to FCC for the Permit But Ask policy due to the WCDMA HSUPA capability. The FCC has requested that the following additional information be provided in accordance with FCC KDB 941225. The FCC has stated the following:

This PBA is generally not in accordance with KDB 941225 HSPA PBA supplement (quoted below for reference); we will proceed this time, but please apply KDB 941225 PBA for any future submissions

KDB 941225 HSPA procedures are applicable only if Maximum Power Reduction (MPR) is implemented according to Cubic Metric (CM) requirements. Otherwise, before testing applicant / test lab should contact the FCC Laboratory for measurement requirements and filing restrictions. TCBS must verify the power measurement results according to 3GPP MPR requirements and how it is implemented in the device being tested; for example, a power reduction on the order of 0, 2, 1, 2, 0 dB are expected for the HSPA sub-test configurations 1 to 5, respectively, when implemented according to 3GPP recommendations. When MPR is implemented per 3GPP standards, then valid HSUPA subtest 1,2,3,4,5 results are expected to show power reduction of 0,2,1,2,0 dB respectively. When any set of results do not show expected reduction, we expect there is good chance that testing did not follow letter of TS-34.121 5.2B.4.2, and FCC 3G SAR procedures, such that HSPA mode dropped out and device was basically operating only in rel99 mode. Note also this issue about qualification of test results is mostly separate from and unrelated to power levels and design/operating tolerances e.g. in 34.121 5.2B.5 test requirements.

Detailed explanations must be included in the PBA, as well as the final SAR report to substantiate the test results.

a) 3GPP Rel 6 power test results do not appear to show 0,2,1,2,0 reductions - if not in attachments already please provide specific details about device implementation of Maximum Power Reduction according to Cubic Metric (CM) requirements.

b) 3GPP Rel 6 power test results do not appear to show 0,2,1,2,0 reductions - if not in attachments already, TCB please address at least below provisions 2) b) i) & ii)

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.

Best regards,

Chris Harvey
Charvey-tcb@ccsemc.com