

Mike Kuo

From: elise.tang [elise.tang@cn.ccsemc.com]
Sent: Saturday, October 13, 2007 8:58 PM
To: Mike Kuo
Cc: miro.chueh@cn.ccsemc.com; lin.zhang@cn.ccsemc.com
Subject: FCC ID: VO4Q11S5 (update)
Attachments: Part 22&24 850MHz & 1900MHz.pdf; KS070924A01FC_SAR.pdf; test data.rar

Dear Mike,

EMC portion

Q2: we tested the peak power and the EIRP of GPRS class and submitted the test data. The power and EIRP value is almost the same with the GSM, so I don't think it is necessary to do the all of other test items.

[Mike Kuo] This is not acceptable. First, in your revised test report, there is no indication which GPRS class was used during the tests. Second, based upon the output power measurement result of GPRS, the GPRS output power is higher than GSM, please perform radiated spurious emission tests with GPRS Class 12 for 850 and 1900 MHz band. In your revised test report, you have to indicate which GPRS Class was used during the tests.

{RUTH WU} We have amended the report by indicating the GPRS class, and we performed the radiated spurious emission test according to your advice.

Q4: we have modified the tabular by indicating the 26dB BW and 99% BW.

[Mike Kuo] Perform GPRS Class 12 26dB BW and 99% BW measurement for 850 and 1900 MHz at mid channel.

{RUTH WU} We have performed the GPRS Class 12 26dB BW and 99% BW measurement for 850 and 1900 MHz at mid channel and inserted it in to the report.

SAR portion

Q6: we have change the modulation type to GMSK

[Mike Kuo] some of plots still mentioned TDMA, please review your files again.

{RUTH WU} we have amended all the plots.

Q7: The system validation is made in the same day with the test and before it, the date issue is because the software bug, and we have change the date in the validation report.

[Mike Kuo] Please make sure to inform the software manufacturer to change the bug so the future application can have correct date.

{RUTH WU} we have informed the software manufacture about this problem and I am sure they will give us a new version of software.

Q9: this mobile phone has no earphone as accessory, so the set up photo has no earphone connected.

[Mike Kuo] Even though the phone does not offer earphone as accessory, however, during body worn SAR evaluation, a typical earphone is required to be connected.

{RUTH WU} would you please check the user manual, this phone has no function for earphone, so I don't think it necessary to connected a typical earphone during the test.

Q9: we have amended the test plots and the report according to your advice.

[Mike Kuo] I can not find any indication on the test plots with indicated the crest factor. The test report still show the modulation is 100%.

{RUTH WU} we have amended the test report.

Q10: we have finished the GPRS SAR test, and the test report as attached.

[Mike Kuo] You have to indicate which GPRS class was tested.

10/15/2007

{RUTH WU} we have amended the test report.

Q11: the probe conversation factor for head and body in 835 and 1900 MHz are adjusted automatically by the software, so it can't be showed in the test report.

[Mike Kuo] This is not acceptable. We have to do know what is the conversation factor for head / body in each of frequency band. Conversion factor shall be clearly indicated in the probe calibration file. If such values are embedded in the test software, we need to the values.

{RUTH WU} we have ask the SAR system manufacturer help to solve this problem.

Q14: we can't get the uncertainty as you inquired right now, the p1528 does not give us the indication of uncertainty. And we will finish the uncertainty in the next week.

[Mike Kuo] I will wait for your uncertainty budget.

{RUTH WU} I don't what kind of uncertainty we need to prepare, would you please give us some advises?

发件人: Mike Kuo [mailto:mike.kuo@ccsemc.com]

发送时间: 2007年10月13日 16:13

收件人: elise.tang

抄送: lin.zhang@cn.ccsemc.com; miro.chueh@cn.ccsemc.com

主题: RE: FCC ID: VO4Q11S5

Hi Elise and Miro:

Replies are embedded below your answers:

Best Regards

Mike Kuo

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From: elise.tang [mailto:elise.tang@cn.ccsemc.com]

Sent: Saturday, October 13, 2007 5:38 AM

To: Mike Kuo

Cc: lin.zhang@cn.ccsemc.com; miro.chueh@cn.ccsemc.com

Subject: FCC ID: VO4Q11S5

Dear Mike:

We have made the improvement to your comment:

EMC portion

Q1: we have updated the TIA/EIA 603 REV.A to TIA/EIA 603 REV.B.

[Mike Kuo] O.K.

10/15/2007

Q2: we tested the peak power and the EIRP of GPRS class and submitted the test data. The power and EIRP value is almost the same with the GSM, so I don't think it is necessary to do the all of other test items.

[Mike Kuo] This is not acceptable. First, in your revised test report, there is no indication which GPRS class was used during the tests. Second, based upon the output power measurement result of GPRS, the GPRS output power is higher than GSM, please perform radiated spurious emission tests with GPRS Class 12 for 850 and 1900 MHz band. In your revised test report, you have to indicate which GPRS Class was used during the tests.

Q3: the GSM phone class is class B.

[Mike Kuo] O.K.

Q4: we have modified the tabular by indicating the 26dB BW and 99% BW.

[Mike Kuo] Perform GPRS Class 12 26dB BW and 99% BW measurement for 850 and 1900 MHz at mid channel.

Q5: we have updated the file.

[Mike Kuo] o.k.

SAR portion

Q6: we have change the modulation type to GMSK

[Mike Kuo] some of plots still mentioned TDMA, please review your files again.

Q7: The system validation is made in the same day with the test and before it, the date issue is because the software bug, and we have change the date in the validation report.

[Mike Kuo] Please make sure to inform the software manufacturer to change the bug so the future application can have correct date.

Q8: we didn't get the probe calibration report before the test, so we use the target value from 1528 before this time, and we get the calibration report couple days before, and we changed the target value in the report to the value from manufacture.

[Mike Kuo] O.K.

Q9: this mobile phone has no earphone as accessory, so the set up photo has no earphone connected.

[Mike Kuo] Even though the phone does not offer earphone as accessory, however, during body worn SAR evaluation, a typical earphone is required to be connected.

Q9: we have amended the test plots and the report according to your advice.

[Mike Kuo] I can not find any indication on the test plots with indicated the crest factor. The test report still show the modulation is 100%.

Q10: we have finished the GPRS SAR test, and the test report as attached.

[Mike Kuo] You have to indicate which GPRS class was tested.

Q11: the probe conversation factor for head and body in 835 and 1900 MHz are adjusted automatically by the software, so it can't be showed in the test report.

[Mike Kuo] This is not acceptable. We have to do know what is the conversation factor for head / body in each of frequency band. Conversion factor shall be clearly indicated in the probe calibration file. If such values are embedded in the test software, we need to the values.

Q12: we have import the calibration interval for dipole and probe in to the report.

[Mike Kuo] O.K.

Q13: that was a mistake; we have removed it from the report.

[Mike Kuo] O.K.

Q14: we can't get the uncertainty as you inquired right now, the p1528 does not give us the indication of uncertainty. And we will finish the uncertainty in the next week.

[Mike Kuo] I will wait for your uncertainty budget.

Q15: we have got the tune up procedure as the attached.

[Mike Kuo] O.K.

Elise and Miro:

Review your revised files before sent to me. In your review files, you have to address all the questions that I asked. If you are not addressing all my questions, I can not issue the grants.

发件人: ruth.wu [mailto:ruth.wu@cn.ccsemc.com]

发送时间: 2007年10月13日 13:30

收件人: 'elise.tang'

主题:

No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.5.488 / Virus Database: 269.14.9/1068 - Release Date: 10/13/2007 10:15 AM

No virus found in this outgoing message.

Checked by AVG Free Edition.

Version: 7.5.488 / Virus Database: 269.14.9/1068 - Release Date: 10/13/2007 10:15 AM

No virus found in this incoming message.

Checked by AVG Free Edition.

Version: 7.5.488 / Virus Database: 269.14.10/1070 - Release Date: 10/14/2007 9:22 AM

10/15/2007