

TCB 2nd and third Q and A

To: lucy_tsai@ccsemc.com.tw
Subject: RE: 回信 : RE: Chi Mei Communication Systems, FCC ID: QDJ-0306CPN01, AN03T303 4 (3rd notice)-revised (pleasedisregard the previous email)

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

From: lucy_tsai@ccsemc.com.tw [mailto:lucy_tsai@ccsemc.com.tw]
Sent: Thursday, July 29 , 2003 1:52 AM
To: Mike Kuo
Cc: jonson@ccsemc.com.tw
Subject: 回信 : RE: Chi Mei Communication Systems, FCC ID: QDJ-0306CPN01, AN03T303 4 (3rd notice)-revised (pleasedisregard the previous email)

Hi Mike,

This is to reply the 2nd and 3rd Notice_content.

For Q#7, since this device is operating at 1850-1909MHz, and then the middle band will be 1879.5MHz. So it does meet the requirement of OET 65 supplement C that the system validation has within 100MHz of the mid-band channel of each operating mode.

For Q# 8, 9, 10, 11, 14, 15, we have redo the test for GPRS mode and please refer to the revised SAR test report and support datas as attached .

For Q#12 &13, after checking with Chi Mei that this device won't 850GSM module inside and then please refer to the revised technical specification as attached file for details.

For Q#16, please refer to the revised label for details.

For Q#17, please refer to the revised the RF test report for details.

Thank you and Best Regards,

Jonson

2nd Notice_content

Question #7: Page 15 of SAR test report indicated the system validation was done with 1800MHz head liquid. Per OET 65 supplement C, the system validation shall be done within 100MHz of the mid-band channel of each operating mode. This device is with transmitting frequency from 1850-1909MHz which is outside of 100MHz to its mid band frequency. Please address this measurement procedure issue.

Question #8: Page 20 of SAR test report is the test setup picture during the body worn SAR. Even though in the footnote, it indicates the microphone was connected to the phone but microphone does not show in the test setup photos. In addition, it appears the phone was connected to the battery charger during the tests which is not allowed per OET 65 supplement C requirement. During SAR tests, the EUT shall be operated at the battery power. Please redo body worn SAR tests with battery power.

Question #9: Crest factor of 8.3 with duty factor of 12% was used for GSM operation. Crest factor of 8 was expected for GSM mode. Please provide duty cycle plots to justify 12% duty factor.

Question #10: The liquid parameter indicated on the SAR plots for body and head do not agree with the information given at page 16 of SAR test report. Please explain.

Question #11: The conducted output power reported in the SAR test report are lower than those readings reported in the EMC test report. While doing SAR

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evaluation, the output power has to be higher or equal to the EMC test report. Please re-evaluation SAR measurement and provide explanation.

Question #12: In accordance with revised technical specification sheet, this device is capable of 850GSM, 900GSM, 1800DCS, and 1900GSM. 900GSM and 1800DCS are considered as European band and will not be certified. However, 850GSM (TX: 824-849 MHz) is considered as TDMA modulation with 1/8 duty factor and can be operated in the U.S. Based upon the capabilities of phone, please provide Part 22 EMC test report and additional SAR test report to address 850GSM operation.

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Question 13: Page 2 of revised SAR report in the note section, it mentioned again that this device is capable of 835GSM operation which does to agree with your reply to Question #12 which indicates that this device is not capable of 850GSM operation. Please explain.

Question 14: Page 4 of revised SAR report listed the max. conducted output power for GSM is 30.27dBm and GPRS is 30.18dBm. Once again, this is the same problem that I asked in question #11. In the revised SAR test report measurement result section, the highest power before the tests for GSM is 29.65dBm and GPRS is 29.66dBm. These output power before SAR do not agree with Page 4 and the output used during the SAR is lower than the average output power reported in Part 24 test report. In the Part 24 test report, the highest output power for GSM is 30.02dBm and GPRS is 30.01dBm. Please explain.

Question #15: In your reply to question #9 and with revised SAR test report, the crest factor has been changed from 8.3 to 8 but the SAR reading is identical with crest factor of 8.3. Please explain how this is possible.

Question #16: Please provide the justification why the FCC DoC logo shall be used on the FCC ID label format for this licensed Part 24 device.

Question #17: Page 2 of Part 24 EMC test report mentioned this device is Part 22 subpart H device. Please make necessary correction.