

Mike Kuo

From: ting@ccsemc.com.tw on behalf of application@ccsemc.com.tw
Sent: Monday, February 21, 2005 3:25 AM
To: Mike Kuo
Cc: application@ccsemc.com.tw; lucy_tsai@ccsemc.com.tw
Subject: ?^?H?G RE: 回信 : FW: First International Computer Inc., FCC ID: EUNT2300MSI, Assessment NO.: AN05T4555, Notice#1

Attachments: T2300 MSI TestRpt RF revised 0221.pdf



T2300 MSI TestRpt
RF revised 0...

Hi Mike,

Please refer to the below for details.

Best Regards,
Ting

"Mike Kuo"
<MKUO@CCSEMC.com>

2005/02/19 09:05

Computer Inc., FCC ID: EUNT2300MSI,
AM

收件人 : <application@ccsemc.com.tw>
副本抄送 : <lucy_tsai@ccsemc.com.tw>
主旨 : RE: 回信 : FW: First International
Assessment NO.: AN05T4555, Notice#1

Hi Ting :

Reply to Question #1: Please provide cable loss and Bias-Tee individual factor with sum of 7.03.

Ans #1: bias-tee : 2.9dB, cable loss : 4.13dB

Reply to Question #2: There are several problems in the preliminary test data:

- 1) the power source used is 230V/50Hz which is not a U.S. voltage.
- 2) investigation only upto 10GHz. There is no pretest data from 10GHz to 24 GHz.
- 3) There is no measurement setting (RBW or VBW info).
- 4) What does 10 meter factor mean ?
- 5) Based upon the noise floor level in the preliminary test data, the level is over the 54dBuV/m average limits above 7GHz. Based upon the noise floor level, this site will not be able to detect any spurious emissions that are within the restricted band . Please address this issue.

Suggestion: you may want to do the measurement at open area test site by positioning the measurement antenna closer than 3 meter for high frequency measurement and then use distance correction factor to calculate the field strength again 3 meter limits.

Ans #2: Testing is re-done as you suggested and the revised test data is placed in test report.

(See attached file: T2300 MSI TestRpt RF revised 0221.pdf) Reply to Question #3: O.K.

Reply to Question #4: Please take a look OET65C, page 49. FCC requires all peak within 2 dB of highest Peak shall be measured and report. Based upon your setting, you are limited the system to report secondary hot spots within 2 dB AND higher than 0.2 mW/k. If the secondary hot spot is lower than 0.2 mW/g, the SAR system will not detect it. Based upon the SAR spectrum plots, the highest measurement SAR at the specific configuration with far below the limits so additional tests are not required at this time. Please consider in changing your setting to in-line with OET65C requirement for the future measurement.
Ans #4: OK, we will change our setting next time.

Best Regards

Mike Kuo

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

From: ting@ccsemc.com.tw [mailto:ting@ccsemc.com.tw] On Behalf Of application@ccsemc.com.tw
Sent: Friday, February 18, 2005 2:29 AM
To: Mike Kuo
Cc: application@ccsemc.com.tw; lucy_tsai@ccsemc.com.tw
Subject: 回信: FW: First International Computer Inc., FCC ID: EUNT2300MSI, Assessment NO.: AN05T4555, Notice#1

Hi Mike,

Please refer to the below for details.

Best Regards,
Ting

"Mike Kuo"

<MKUO@CCSEMC.com>

<application@ccsemc.com.tw>

收件人:

副本抄送:

<lucy_tsai@ccsemc.com.tw>

2005/02/17 09:17

主旨: FW: First

International Computer Inc., FCC ID: EUNT2300MSI, Assessment NO.:

AM

AN05T4555, Notice#1

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

From: Compliance Certification Services [mailto:MKuo@ccsemc.com]
Sent: Wednesday, February 16, 2005 4:50 PM
To: Mike Kuo
Subject: First International Computer Inc., FCC ID: EUNT2300MSI, Assessment NO.: AN05T4555, Notice#1

Question #1: Please explain the elements in Factor/offset (17dB) during the peak output power measurment.

Ans: The offset factor 17dB = external 10db attenuator+cable+bias-tee(7.03)

Question #2: Based upon 802.11b radiated spurious emission test data, there are several harmonics/spurious emission are within the restricted band with minimum margin . However, as indicated in the test report, there is no emission can be observed . The output power

for 802.11g modulation is higher than 802.11b but no spurious emissions can be found. Please provide your justification on this issue.

Please submit six highest noise level from 1 GHz to 26 GHz for vertical and horizontal .
Ans: The noise indicated within the restricted band are background noise during the test. During the pretest, a filter was used to bypass the fundamentals. Attached please find the pretest data for the reference.
Also, an external attenuator was added in front of the preamplify and offset the total factor in measuring band edge test, so the instrument background noise was arose in the test result of band edge result.
Therefore, since the noise are from background noise, so does it really required to record them?
(See attached file: T2300 MSI pretest referance data.pdf) SAR

Question #3 Page 3 and page 4 of SAR test report, the highest SAR value does not agree with tabular data. Please explain.
ANS: Report has been corrected as attached file.

Question #4: Page 15 and 16 of SAR plots, there are multiple SAR hot spots, please provide secondary hot spots value per OET 65C requirements.
ANS: We set parameters in the test item of 'RESULT' in 'AREA SCAN' .
Find secondary maxima within 2 dB and with a peak SAR value greater than 0.2 W/Kg.
The SAR values of page 15 and 16 are smaller than 0.2 that won't be recorded. Please refer to the attached revised test plot which has added the wording of setup parameters in for details.

Besides, attached please find the revised RSS 102 Doc letter for this project's IC submission, assesment no.: AN05I1313. Also, please find the file of " T2300 Intel TestRpt SAR 2 of 2 revised0218" for the IC submission of AN05I1318 regarding the setup parameters of second peak.
(See attached file: T2300 MSI TestRpt SAR revised 0218.pdf)

(See attached file: T2300 MSI SAR DoC letter revised 0218.pdf) (See attached file: T2300 Intel TestRpt SAR 2 of 2 revised 0218.pdf)

Best Regards

Mike Kuo

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.

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