

## Helen Zhao

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**Subject:** FW: answer: SAMSUNG ELECTRONICS CO., LTD., FCC ID: A3L-NP-Q1-C, Assessment NO.: AN06T5926, Notice#1

**From:** Claire Hoque  
**Sent:** Wednesday, July 12, 2006 10:28 AM  
**To:** Helen Zhao  
**Cc:** Michael Heckrotte; Kathy Yao  
**Subject:** answer: SAMSUNG ELECTRONICS CO., LTD., FCC ID: A3L-NP-Q1-C, Assessment NO.: AN06T5926, Notice#1

Hi Helen,

Pls see answer below, thanks.

Question #1: The external photos does not show accessories, such as AC/DC power supply, etc. Please provide additional photos.

<answer> pls see revised external photos attached.

Question #2: The EUT will be equipped with two kinds of antenna, either 1.71dBi KAE antenna or 1.67 Foxconn antenna. But the internal photos show only one antenna, please provide photos of both antennas and specify clearly.

<answer> pls see revised internal photos attached.

Question #3: The Theory of Opeation exhibit indicates that "This product may utilize one of two available chip versions: AR2414 is a fully functional version and AR2413 is identical but with a Turbo feature disabled. This Turbo feature is not supported for European operation." Please explain whether EUT will have two versions in US market: 1) with 11g turbo mode (using AR2414 chip); 2) without 11g turbo mode (using AR2413 chip). If not, please modify theory of operation, if yes, please provide 11g turbo test data.

<answer> pls see revised theory of operation attached.

Question #4: Please update EMC report in the following areas:

a) Bluetooth module has already got FCC approval, it is not covered in this filing. In section 5.1, please provide FCC ID of bluetooth module.

b) The EMC test report provides 2 sets of test data: one for KAE antenna, one for Foxconn antenna, but section 5.3 - Description of available antennas does not include Foxconn antenna. If Hon Hai is the manufacturer of Foxconn antenna, please indicate clearly.

c) The EUT is the notebook PC, not the wireless LAN card, but section 5.6 indicates "The EUT is installed inside a host laptop computer", please update.

d) Radiated spurious emission test data (page 65/74/83/92) show S/N other than those listed on page 4. Please explain.

<answer> pls see revised EMC report attached.

Question #5: EMC report shows average power at 11g mode @ 2412MHz is 11.50 dBm. SAR Test report shows SAR test was done with average power 13.80dBm at 11g mode @ 2412MHz, please explain why there is so big difference.

<answer> Power level was reduced to that level so that EUT could pass bandedge testing.

Question #6: SAR test report: page 20 of test report shows signal generate was past due during the test. Please explain.

<answer> pls see revised SAR report attached.



06I10286-2C FCC  
SAR REPORT.pdf...



Theory of



06I10286-1B FCC  
DTS Report.pdf...



Internal



External

Photos(revised).pdf Photos(revised).pdf

Best Regards,

Helen Zhao

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.