

Helen Zhao

Subject: FW: SAMSUNG ELECTRONICS CO., LTD., FCC ID: A3LSMTR2000 , Assessment NO.: AN06T5399, Notice#1

From: Kwon, James

Sent: Friday, January 06, 2006 12:47 AM

To: Helen Zhao

Subject: RE: FCC submission, 2.4/5 GHz Access point without DFS (Sam Sung)

Hi Helen,

Pls find my reply at below.

Thanks and have a nice day.

James Kwon

1) DTS (Assessment No: AN06T5399)

Question #1: The user manual does not contain user information as specified in 15.105(b) and RF exposure statement as specified in 15.247(i).

Below is an example:

Note: this equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

[James] We added above statement and attached the user manual. Pls disregard 1st user manual. Attached is correct & final version of user manual.

RF exposure Statement:

The antenna(s) used for this device must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

[James] Inserted into User manual.

Question #2: The report indicates the radiated emission test was done with a 2.5dBi@2.4G/4dBi@5G dipole antenna. Please provide antenna specification.

[James] Samsung uses 2 antennas. Attached pls find two Antenna spec.

Question #3: Please remove RF shielding to take more internal photos. Please indicate antenna location on the PCB board. Please also show the inter-constructions of the AP, not just two PCB photos.

[James] Revised and attached.

Question #4: The user manual indicates the device uses Atheros' chipsets thus has 802.11g turbo and 802.11a turbo functions. But the test report does not show turbo mode has ever been investigated. Please provide additional test data with 802.11g turbo at 2437MHz, 802.11a turbo at 5760MHz and 5800MHz.

[James] Samsung does not use Turbo mode. 1st User manual is incorrect one. Attached please find correct user

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manual.

Question #5: The test report shows spurious emission test in 5.8GHz band was tested upto 26.5GHz. Based on 15.33(a)(1), it should be upto to 10th harmonic of the highest fundamental frequency or to 40 GHz, whichever is lower. Please provide additional test data from 26.5GHz to 40GHz.

[James] Re-tested and inserted test data to test report.

Question #6: This is a typo: page 2 of the test report shows 15.237, you may want to update the test report.

[James] Amended.

Question #7: This is for your information: Block diagram and Theory of Operation are not included in the confidentiality letter, please confirm if it is OK to leave these two technical documents for public review. Or you may add these two documents on the confidentiality list.

[James] Amended as you coached. (included).

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.