



American Telecommunications Certification Body Inc.  
6731 Whittier Ave, McLean, VA 22101

August 15, 2005

RE: SAMSUNG ELECTRONICS CO., LTD.

FCC ID: A3LSWL-5300M

ATCB#: ATCB002662

I have a few comments on this Application.

- A) This application appears to be a composite application. It will consist of two grants one is equipment class DTS and the other is equipment class NII. The antenna documents will have to be uploaded as well, describing the antennas and the gains for the frequency that the antenna is used for. One for 5 GHz and one for 2.4 GHz.
- B) This will have to be tested to two different rule parts 15.247 for 2412 – 2462 MHz, 5745 – 5850 MHz. You will need to submit a 731 for DTS portion.
- C) The second rule part 15.407 frequency band 5150 – 5250 MHz, 5250 – 5350 MHz. You will need to submit a 731 for the NII portion.
  - 1. You need to file for modular approval with this application as the EUT is a module in the user manual and it could easily be used in a number of applications.
  - 2. Please see attachment concerning Modular Approval Letter. Please note that each question must be answered and uploaded to ATCB under modular approval letter file name.
  - 3. The manual should provide further information and better detail as to how the OEM must use the module in order to maintain RF exposure compliance and that it's approval is limited only to devices that can maintain the 20 cm distance between the antenna and body. In order to make sure that the integrators are given enough information, **please add the following information** (Cut and Paste) or similar to the users manual:

This device is intended only for OEM integrators under the following conditions:

- 1) The antenna must be installed such that 20 cm is maintained between the antenna and users for all installations, and
- 2) The transmitter module may not be co-located with any other transmitter or antenna, and
- 3) The Module is approved using the FCC 'unlicensed modular transmitter approval' method. Therefore the module must only be used with the originally

approved antennas.

As long as the 3 conditions above are met, further transmitter testing will not be required. However, the OEM integrator is still responsible for testing their end-product for any additional compliance requirements required with this module installed (for example, digital device emissions, PC peripheral requirements, etc.).

**IMPORTANT NOTE:** In the event that any of these conditions can not be met (for example certain configurations, co-location with another transmitter, or use of a different antenna), then the FCC authorization is no longer considered valid and the FCC ID can not be used on the final product. In these circumstances, the OEM integrator will be responsible for re-evaluating the end product (including the transmitter) and obtaining a separate FCC authorization.

***Suggested End Product Labeling***

This transmitter module is authorized only for use in devices where the antenna may be installed such that 20 cm may be maintained between the antenna and users (for example access points, routers, wireless ASDL modems, and similar equipment). The final end product must be labeled in a visible area with the following: "Contains TX FCC ID: {INSERT FCC ID HERE}".

***RF Exposure Statements That Must be Included in the Final Devices Users Manual***

The users manual for end users must include the following information in a prominent location "IMPORTANT NOTE: To comply with FCC RF exposure compliance requirements, the antenna used for this transmitter 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."

***Additional Information That Must be Provided to OEM Integrators***

The end user should NOT be provided any instructions on how to remove or install the modular TX device.

Thank you,



Douglas E. Noble  
Examining Engineer

[mailto: dnoble@americanTCB.com](mailto:dnoble@americanTCB.com)

The items indicated above must be submitted before processing can continue on the above referenced application. Failure to provide the requested information may result in application termination. Correspondence should be considered part of the permanent submission and may be viewed from the Internet after a Grant of Equipment Authorization is issued.

Please do not respond to this correspondence using the email reply button. In order for your response to be processed expeditiously, you must submit your documents through the AmericanTCB.com website. 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 sender.