



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

November 11, 2002

RE: Samsung

FCC ID: E2XSWL-2200U

I have a few comments on this Application.

- 1.) This is a "stick radio" LAN adapter which is capable of plugging directly into a USB port. It is therefore excluded from RF Category "Mobile" because it can be used within 2.5cm of the body. Please revise the RF Exposure exhibit.
- 2.) Please revise manual to reflect RF Category "Portable" configuration.
- 3.) Show math in RF Exposure exhibit.
- 4.) The October 22 attestation by Samsung claims the conducted Pout is 16dBm. Please note this is above the current low threshold limits according to the TCB Exclusion list of July 2002. SAR testing is required for all "Portable" devices used within 2.5cm of the body with either a radiated or conducted power in excess of 60mW/f(GHz).
- 5.) FYI: please also note that the FCC doesn't care about "average" antenna gain – the only units which are valid are peak.
- 6.) Test Report must quote Pout in terms of conducted power. Using data supplied by antenna manufacturer combined with Samsung's admitted conducted power; I would expect to see peak radiated power on the order of +17.8dBm. Please explain.
- 7.) Please demonstrate that when this device functions as a computer peripheral it will not make an existing Class B computing system fail, or provide evidence of DofC.

William H. Graff
President and Examining Engineer

[mailto: whgraff@AmericanTCB.com](mailto:whgraff@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.