



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

November 10, 2004

RE: Belkin Corporation

FCC ID: K7SF5D7011A

After a review of the submitted information, I have a few comments on the above referenced Application.

- 1) The FRN Number did not appear to match any manufacturer. Please verify/check this number. Note that a grant can not be issued without a valid FRN number.
- 2) Page 43 of the users manual mentions attaching the device to an external antenna and contains RF exposure information that does not seem applicable (see below). Please review and explain or correct as necessary.

Caution: Exposure to Radio Frequency Radiation.

The radiated output power of this device is far below the FCC radio frequency exposure limits. Nevertheless, the device shall be used in such manner that the potential for human contact normal operation is minimized.

When connecting an external antenna to the device, the antenna shall be placed in such a manner to minimize the potential for human contact during normal operation. In order to avoid the possibility of exceeding the FCC radio frequency exposure limits, human proximity to the antenna shall not be less than 20cm (8 inches) during normal operation.

- 3) The users manual mentions modes greater than 54 Mbps on pages (5, 6, 35, and 47), however the test report does not show this. If this device does contain a higher speed mode, these typically have a different waveform and require additional testing. Please correct as necessary.
- 4) Data on page 38 and 39 is identical. Please review.
- 5) Have power measurements & Bandedge conducted measurements with the 2 different pre-amplifiers been performed. The test report only shows one appears to have been investigated.
- 6) It appears that the Turbo mode carrier power listed on page 74 should be 97.62. Please review/correct.
- 7) Please provide schematics for both versions of the device (with each pre-amplifier).
- 8) There are a few inconsistencies with Mode 3. The Plots suggest the device was Parallel to the phantom. The photographs is labeled as parallel, but show perpendicular. The description on page 13 suggests Perpendicular. Please explain and correct as necessary.
- 9) Please explain the difference between Mode 2, 3, and 4 SAR configurations. Essentially how does modes 3 & 4 differ from 1 & 2.
- 10) Due to the difference in antenna factors, were the 2 different antennas investigated for SAR?
- 11) Were the 2 different pre-amplifiers investigated for SAR?

Timothy R. Johnson
Examining Engineer

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