



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

June 1, 2003

RE: Nokia

FCC ID: PDN-NEM4

I have a few comments on this Application.

- 1.) The rules in Part 24 have changed. 24.238 now specifies that Block Edge Measurements and not just Band Edge measurements must now be made. Please refer to 24.229 for a description of the applicable frequency blocks. A copy of these revised specifications are included for your review.
- 2.) For all Licensed transmitters, measurements of both the Tx Radiated EIRP and Tx Radiated Spurious Emissions cannot be made using field strength conversion calculations. Only the substitution method is considered valid. Please correct your report.
- 3.) Please provide details on the Bluetooth RF Pout as listed on Form 731 and the Test Report - radiated, conducted, peak, average, etc.
- 4.) This is an unusual device configuration. Is it possible to hold this phone flat against the head instead of on-edge during normal Cellular operations? If so, then additional SAR results would be required.
- 5.) During radiated testing of the Bluetooth transmitter, was this device tested across three orthogonal planes?
- 6.) Please identify the gain of the Bluetooth antenna.
- 7.) Part 2 of the Manual seems to indicate on pp. 148 that this device is capable of 835MHz operations. Please comment.
- 8.) Is this device capable of operation on any non-US bands? If not, please provide an attestation statement indicating which bands will not be used in US.
- 9.) Please indicate where I can find the required information of 15.21. This is required for all Part 15 Intentional Radiator certifications.
- 10.) Please refer to page 135 of Manual. 20cm is not 6 inches.

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President and Examining Engineer

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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.