



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

December 11, 2002

RE: Nokia Mobile Phones, Inc.

FCC ID: GMLNPD-4AW

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

**EMC Report/General:**

- 1) Please provide the color coding description for the 3 traces in the Modulation Limiting plot.
- 2) The description of circuitry suppressing spurious and harmonics emissions, description of circuits determining frequency, theory of operation, list of active devices, and tune up procedure are all found in a single file uploaded as a single file referenced as the "operational description". Please modify the confidentiality letter to list "operational description". Additionally, a separate parts list was uploaded without confidentiality requested in the cover letter. Please comment or add to the confidentiality letter.
- 3) Please provide an exhibit that shows compliance with 22.919 (Electronic Serial Numbers).

**SAR Report:**

- 4) The maximum measured SAR values given in the users manual page 149 of 194 do not match the values specified on page 4 of 22 in the SAR report. Please correct the users manual.
- 5) Dipole verification plots appear to be missing for the following:
  - a) 835 MHz, October 9, Head Tissue
  - b) 835 MHz, October 7, Muscle Tissue
- 6) The plot for GMLNPD-4AW, CDMA 800, Channel 777, Erica Cover, Antenna Extended, Left Tilt Position, appears to show a "clipped" peak. The entire hot spot must be captured. Please comment.
- 7) The FCC likes to be able to confirm that the 15 cm liquid depth was present by supporting photographs or Z-axis data. This supplemental information was not provided for the actual test. Please confirm that the liquid depth was at least 15 cm, and if available please provide the photograph.
- 8) From the photographs it can not be determined if the device holder surrounded, enclosed, covered, or obstructed the internal antenna. Please explain and provide additional photographs if possible.
- 9) If available, please provide larger and clearer test photographs. The photographs should clearly depict positioning and surrounding holder.
- 10) Plots should list both liquid and ambient temperatures.
- 11) For course scans, what was the probe tip distance to phantom inner surface?
- 12) Please provide a description of averaging (integration) procedures to get 1-g SAR from final interpolated grid during the cube scan.
- 13) FYI, for body SAR the FCC prefers the use of 1.5 cm.

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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.