Nokia Inc. – San Diego
Klaus Kettunen

February 14, 2003

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

Re: Nokia Inc.

FCC ID: QMNRH-17

Dear Mr. Johnson,

Following are our responses to your correspondence dated January 21, 2003:

EMC Report:

1. The letter for reference to IS-95-A has been revised with 22.921.
2. A copy of the label that contains the FCC ID has been added.

SAR Report

3. a) HDK-1K headset was included to body SAR measurements and all body-SAR measurements were carried out with 22mm separation distance. New SAR report coverging body SAR measurements is attached.
   b) Two other headsets with the bottom connector connection are similar from RF point of view and the testing was performed only with one of these headsets.
4. Conversion factors (body and head) of the probe have been calibrated for frequency 835 MHz. Parameters of tissue simulating liquids have been measured at 835 MHz. We understand that above meet the requirements stated in the slide presentation. Supplement C states (paragraph System Verification) “When a radiating source is not available at the operating frequency range of the test device to verify system accuracy, a source operating within 100 MHz of the mid-band channel of each operating mode may be used.” Dipole verifications carried out during the SAR evaluation meet this requirement.
5. The shape of the Z-axis plots show, that there were no harmful reflections from upper surface of the liquid in the depth where the actual cube scanning took place. We confirm that the liquid depth was 15 +/- 0.5 cm during all measurements as stated in paragraph 3.6 in the SAR report.
6. Probe tip distance was 1.4 mm.
7. The attached plots have different appearance than the plots in the SAR report for the same test configuration. However, the actual SAR distribution does not differ significantly between those plots. The rest of the SAR distribution plots are substantially similar or equivalent to the plots submitted regardless of used channel in each mode and position.

We hope that the above response is sufficient to complete review of this application.

Klaus Kettunen, Product Certification Officer
Nokia Mobile Phones, San Diego