



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

March 15, 2002

RE: Nokia Mobile Phones

FCC ID: GMLNHP-2FX

I have a few comments on this Application.

- 1.) The Occupied Bandwidth procedure specified in Section 4.3 of the EMC Test Report is irrelevant and not applicable to any constant envelope digital emissions. Please revise.
- 2.) The Spurious and Harmonic Emissions description in Section 4.4 of the EMC test report applies to analog Part 22 devices and not Part 24 PCS band transceivers. Please revise.
- 3.) Section 5.0 of the EMC report: Was the transmitter allowed to sit in a "power off" configuration during stabilization at each 10 degree temperature increment?
- 4.) Power Output for PCS band Part 24 devices must be reported in EIRP. Please submit revised Form 731.
- 5.) Was forward and reflected power taken into account during the EIRP substitution test of Section 5.2 of the test report? FYI: It is also advisable to test much higher than the standard .8M table used for EMC testing (I assume a .8M table was used per Test Setup photos) to reduce the effect of ground reflections. Was this done?
- 6.) Section 6.2, 6.3, and 6.4 shows what appears to be passing data, but it is confusing. Using the Level (dBm) from Section 5.2 and the Level (dBm) in Section 6.2, 6.3 and 6.4, I would expect to derive the dBc values. This is just not happening. If I am incorrect, please show me where I went astray. FYI: Even using your sample calculation in 10.1 (B) I remained confused.
- 7.) Frequency Stability limits in Section 7.2 does not correspond with specifications quoted in Section 5.0 of the Test Report. Please review.
- 8.) Please provide x-axis plots at the highest head and highest body worn SAR position. I am unable to determine extrapolation to the phantom surface.
- 9.) Plots provided in the Amendment to SAR Compliance Test Report provides very little information on each plot, especially powerdrift, probe used, conversion factors, liquid parameters, etc. Since the date of the amendment is five weeks different from the original SAR Compliance Test Report, we feel these it is appropriate to address these concerns.
- 10.) There are five different files of ~1.7MB uploaded to the ATCB site. Please identify which one should be used for the manual? Please be aware that my sifting through multi manuals will increase my review time and should be avoided. Please upload only final versions of all Exhibits.
- 11.) Tuning instructions does not identify the maximum target RF power output. It would be helpful if identified.

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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.