

26 August 2002

RE: Nokia Corporation

FCC ID: P4JTME-4

1. The FCC ID label must have the FCC ID number on the sample label. While the number is given on a second page, in the label drawing itself the number is missing. Please provide a label with the number on the label.

A new label drawing has been prepared to show FCC ID.

2. This is also a Computer peripheral device connected to a computer. As such, it is subject to the label requirements of Part 15. The device also appears to be large enough to accommodate the two-condition statement required by 15.19 on the device. Please provide the appropriate label containing all necessary information in accordance with 15.19(a)(3) and 2.925.

Per 15.19(a)(5) this notification is added into user guide since this device is too small to have this text included.

3. The Part 22 section of test report is incorrect. Part 22 test data for the 800MHz lists paragraphs of Part 24 as the test sections (see starting page 65 of report). Please correct the report to reflect the proper CFR 47 Parts and the proper test sections.

Revised test reports have been uploaded as a new exhibit.

4. The manual and report mentions the use of an external antenna. The device does not appear to have been tested with this option, but only with the internal antenna (see setup photos). It is not apparent if this external antenna has a higher gain than the internal antenna or not. Please provide test data for this external antenna type. This includes RF exposure calculations if the external gain is higher than the internal antenna gain specified. Alternately, please provide evidence and justification as to why testing of the external antenna was not performed.

Unfortunately there is no external antenna available from Nokia to be attached into this product. Users are notified that in order to fulfill FCC RF exposure limits, an external antenna with no more than 3dBi gain may be attached into this device.

RF performance was measured also conducted to prove compliance when external antenna is used. In this sense this should not differ too much from conventional cellular phone with an external antenna connector.

5. The FCC requires that separate test setup photos be provided at the time of grant and data upload. Please provide a separate exhibit showing the test setup photos by themselves.

Done.

6. This is a Part 15 digital device as well. Please provide a manual with the proper Part 15 statements in accordance with 15.19, 15.21 and 15.105

Updated User Guide have been uploaded as a new exhibit.

16 September 2002

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- 1) The statement in the manual "This device complies with part 15 of the FCC rules. Operation is subject to the condition that this device does not cause harmful interference." does not meet the requirements of 15.19 for computer peripherals. The label or the manual if the device is too small, must bear the following statement verbatim "This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation." Please provide a manual with this statement contained in it.

Statement has been added to User Guide and new User Guide has been uploaded to your server in five parts.

- 2) Your device has an antenna terminal and is used for Part 24, this means the FCC wants to see min and max power levels tested for conducted antenna terminal data. Please specify if the device is 'autoranging' power levels. If it is, please provide low power level antenna conducted data.

The mobile was set up for min. output power with pseudo random data modulation.

Frequency (MHz)	Power step	Average Output Power (dBm)
824.2	19	4.30
836.6	19	4.69
848.8	19	4.44
Measurement uncertainty		± 0.5

Frequency (MHz)	Power step	Average Output Power (dBm)
1850.2	15	1.47
1880.0	15	1.67
1909.8	15	0.56
Measurement uncertainty		± 0.5

Instruments	SN	Cal. Due to
R&S CMU200	838392/064	04/03

16 September 2002

- 3) The new label does not indicate which FCC route was taken for the computer peripheral part. If DoC was done, then the correct FCC DoC logo must appear on the label. If the device is certified to Part 15 then a second application with all pertinent Part 15 information in coincidence with the part 24 application must be provided. If the DoC route was taken then Part 15 testing must be performed by an accredited laboratory and the device must be marked with the appropriate DoC label/logo. Please provide a correct label showing either the Part 15 DoC information. See CFR47 Parts 2.948d, 2.906, 2.1072, 2.1077, and 15.19b.

**Declaration of Conformity testing will be done before beginning of marketing this device and appropriate DoC label/logo will be added to product's type label.**

- 4) The updated users guide has not been uploaded as mentioned in the correspondence.

**User Guide has been uploaded to your server in five parts.**