NOKIA

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Nokia Mobile Phones
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November 30, 2001

Federal Communications Commission
Authorization & Evaluation Division,
7435 Oakland Mills Road,
Columbia, MD. 21046

Attention: Equipment Authorization Branch

ESN/IMEI PROTECTION OF FCC ID: LJPNPM-2NX PER 47 CFR 22.919

The Electronic Serial Number and International Mobile Equipment Identity (later ESN/IMEI) are unique for each transceiver.
The ESN/IMEI host components are permanently attached to a main circuit board of the mobile transmitter and the integrity of the unit's operating software is not alterable. ESN/IMEI are isolated from fraudulent contact and tampering.

☐ The host component does not contain other information, it is not removable and its electrical connections are not accessible.

☒ The host component does contain other information, and the ESN/IMEI information is encoded using:

- ☐ (1) Multiplication or division by a polynomial.
- ☒ (2) Cyclic coding.
- ☒ (3) The spreading of ESN/IMEI bits over various non-sequential memory locations.

ESN/IMEI are factory set and are not alterable, transferable, removable, or otherwise able to be manipulated. Cellular mobile equipment is designed such that any attempt to remove, tamper with, or change the ESN/IMEI chip, its logic system, or firmware originally programmed by the manufacturer will render the mobile transmitter inoperative.

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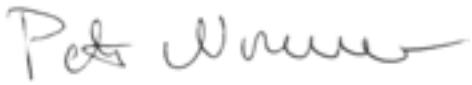

Petri Novamo
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Nokia Mobile Phones, PC Site Oulu

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We hereby certify that the transceiver FCC ID: LJPNPM-2NX complies with OET Bulletin No. 53 as referenced in Section 22.915 of the Commission's rules, ETSI GSM 1900 specification and EIA/TIA/IS-54-B and TIA/EIA-136 Mobile Station – Land Station Compatibility Standards.

Compliance was determined by testing appropriate parameters according to standards. Extensive field testing has been performed in several locations in the USA to verify the compatibility against different systems.

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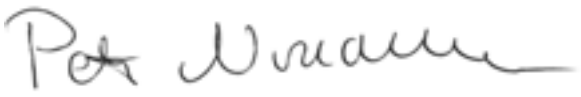

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We hereby certify that the transceiver FCC ID: LJPNPM-2NX fully complies with 47CFR22.921. Nokia has received approval for its alternate 911 call completion method (DA 00-132 released January 28, 2000) and has incorporated the required modifications.

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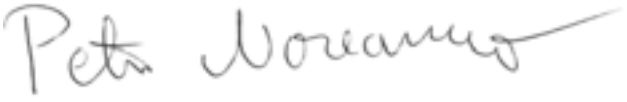

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