

Prepared (also subject responsible if other) ERA/RKF/VR Larry Lindström		No.		
Approved	Checked	Date	Rev	Reference
KI/ERA/RKF/VR (L Lindström)		2002-11-19	B	B5KAKRC1311005-2

Federal Communications Commission
Authorization & Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046
Attention: Equipment Authorization Branch

Radio Frequency Investigation Ltd
Ewhurst Park
Ramsdell
Basingstoke
Hampshire
RG26 5RQ
United Kingdom

November 19, 2002

Subject: Certification for FCC ID: B5KAKRC1311005-2

Gentlemen;

Ericsson AB requests a Grant of Certification (Type Acceptance) for the above mentioned FCC Identifier.

This base station transceiver is designed for use in the GSM 800 MHz cellular telephone system. The transmitter will operate from 869 to 894 MHz. The receiver circuit supports 824 to 849 MHz. The base station operates in the 800 MHz cellular radiotelephone services as per 47 CFR Part 22 subpart H, 22.901 (d). It meets the requirements of GSM1900 11.10-1 version 4.19.1 specification for operation in GSM cellular systems except for the output frequency range.

This base station will in normal mode operate at a nominal power out of 44.7 watts at the antenna connector. In TCC mode with two transmitters combined on the same frequency is the nominal output power 79.4 watts. The power output is reducible to ~0.3 watts.

The channels at the band edges (channel 128 – 869.2 MHz and channel 251 – 893.8 MHz) are excluded. This is because of too wide frequency spectrum at the band edges. This exclusion is done by database settings in the switch software. These channels will never be set there. These database settings will also control internal band edges and exclude channels that neighbors other than GMSK or EDGE channels. This is a part of the cell planning by the operator.

Ericsson AB requests confidentiality under CFR 0.459. Confidentiality for the following exhibits is requested:
Exhibit 5 CPU Part Schematics
Exhibit 5 RF Part Schematics

Justification of this request is in order to protect the large investment in developing this technology and to facilitate the circuit miniaturization utilized in this design and protect the innovative design as well as proprietary techniques which are implemented. In order to protect Ericsson's competitive advantage on these proprietary techniques, we request the above listed exhibits be held as confidential and withheld from the Public Information File.

If additional information is needed, please contact me on the below listed number.

Sincerely,

Larry Lindström
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