

Prepared (also subject responsible if other)		No.		
EAB/RBI/R Per Helmersson				
Approved	Checked	Date	Rev	Reference
KL/EAB/RBI/R (P Helmersson)		2003-01-07	A	B5KAKRC131139-01

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

February 07, 2003

Subject: Certification for FCC ID: B5KAKRC131139-01

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 1900 MHz cellular telephone system. The transmitter will operate from 1930.4 to 1989.6 MHz. The receiver circuit supports 1850.4 to 1809.6 MHz. The base station operates in the 1900 MHz broadband PCS services as per 47 CFR Part 24 subpart E. It meets the requirements of GSM1900 11.10-1 version 4.19.1 specification for operation in GSM cellular systems.

This base station will in normal mode operate at a nominal power out of 31,6 watts at the antenna connector. The power output is reducible to ~0.3 watts.

The channels at the band and block edges (channel 512 – 1930.2 MHz, 585 - 1944.8 MHz, 586 – 1945.0 MHz, 587 – 1945.2 MHz, 610 – 1949.8 MHz, 611 – 1950.0 MHz, 612 – 1950.2 MHz, 685 – 1964.8 MHz, 686 - 1965.0 MHz, 687 – 1965.2 MHz, 710 – 1969.8 MHz, 711 – 1970.0 MHz, 712 – 1970.2 MHz, 735 - 1974.8 MHz, 736 – 1975.0 MHz, 737 – 1975.2 MHz and channel 810 – 1989.8 MHz) are excluded. This is because of too wide frequency spectrum at the band and block edges. This exclusion is done by database settings in the switch software and will control and exclude channels close to channels 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,

Per Helmersson
Staff Engineer, Regulatory Programs
Ericsson AB
Torshamnsgatan 21-23 (Färögatan 6)
Kista, SE-164 80 Stockholm
Sweden
Telephone No.: +46 8 764 16 52
Fax No.: +46 8 404 44 20
e-mail: per.helmersson@era.ericsson.se