

Prepared (also subject responsible if other) EAB/FJR/VA Christer Gustavsson		No. TA8BKRC161194-1		
Approved EAB/FJR/VA Christer Gustavsson	Checked	Date 2012-05-23	Rev B	Reference

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

SP Technical Research Institute of Sweden  
Brinellgatan 4  
Box 857  
SE -501 15 Borås  
Sweden

May 23, 2012

**Subject: Certification for FCC ID: TA8BKRC161194-1**

To Whom It May Concern:

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 850 MHz cellular telephone system. The transmitter will operate from 869.4 to 893.6 MHz. The receiver circuit supports 824.4 to 848.6 MHz. This base station transceiver (RU) supports modulation type GMSK, 8PSK, 16QAM, 32QAM and AQPSK. This base station is appropriate to use in different Ericsson radio base stations without re-measurement and re-filing when introducing a new base station type. The base station operates in the Cellular band as per 47 CFR Part 22 subpart H. It meets the requirements of 3GPP specification for operation in GSM cellular systems.

This base station transceiver will in normal mode operate at a nominal power out of 46 dBm for GMSK, 42.7 dBm for 8-PSK, 41.3 dBm for 16QAM, 40.9 dBm for 32QAM and 42.6 dBm for AQPSK at the antenna connector when without combined and 42.5 dBm for GMSK, 39.2 dBm for 8-PSK, 37.8 dBm for 16QAM, 37.4 dBm for 32QAM and 39.1 dBm for AQPSK when combined. In TCC mode with two transmitters combined on the same frequency the nominal output power is 48.5 dBm for GMSK, 45.2 dBm for 8-PSK, 43.8 dBm for 16QAM, 43.4 dBm for 32QAM and 45.1 dBm for AQPSK.

The Exhibit 8 user manuals submitted with this application is generic and may cover multiple products. This application is only valid for the model specified in the Exhibit 12 circuit description.

Ericsson AB requests confidentiality under CFR 0.459 according to attached letter. We further certify that the applicant nor any party to the application is subject to a denial of Federal benefits, that includes FCC benefits, pursuant to section 5301 of the Anti-Drug abuse Act of 1988, 21 U.S.C. Section 862.

Ericsson AB accept by this request the agreement set out in the document "Bilaga SPCR 125 -Avtal om marknads kontroll för radioutrustning certifierad för USA-marknaden".

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

Christer Gustavsson  
Staff Engineer, Regulatory Programs Ericsson AB  
FCC Registration Number (FRN): 0013476155  
Isafjordsgatan 10  
Kista, SE-164 80 Stockholm

Prepared (also subject responsible if other)		No.		
EAB/FJR/VA Christer Gustavsson		TA8BKRC161194-1		
Approved	Checked	Date	Rev	Reference
EAB/FJR/VA Christer Gustavsson		2012-05-23	B	

Sweden

Telephone No.: +46 10 7175949

e-mail: [christer.gustavsson@ericsson.com](mailto:christer.gustavsson@ericsson.com)