

Prepared (also subject responsible if other) EAB/FJR/VA Christer Gustavsson		No. TA8AKRC11866-2		
Approved EAB/FJR/VA Christer Gustavsson	Checked	Date 2013-04-26	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

April 26, 2013

Subject: Certification for FCC ID: TA8AKRC11866-2

To Whom It May Concern:

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

This base station transceiver (Radio Unit - RUS 01 B2) is designed for use in GSM, WCDMA, LTE and CDMA 1900 MHz cellular telephone system. The transmitter will operate from 1930 MHz to 1990 MHz. It supports Channel Bandwidth of 1.4, 3, 5, 10, 15 and 20 MHz for LTE. The receiver circuit supports 1850 MHz to 1910 MHz. This base station transceiver (RU) supports modulation type GMSK, 8PSK, 16QAM, 32QAM and AQPSK for GSM, QPSK, 16QAM and 64QAM for WCDMA and LTE, QPSK, 8PSK and 16QAM for CDMA. This base station transceiver (RU) 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 broadband PCS services as per 47 CFR Part 24 subpart E. It meets the requirements of 3GPP & 3GPP2 specification for operation in GSM, WCDMA, LTE and CDMA cellular systems.

This base station transceiver (RU) will in normal mode operates at a nominal power out of 20, 40, 60 and 80 watts at the output connector.

This application is only valid for the model specified in the Exhibit 12 circuit description.

This Permissive Change request for this Radio Unit (RUS 01 B2) is to include following, specified in Exhibit 12 Circuit Description and Exhibit 12 Circuit Description Modification:

- 1) Support MIMO (Multiple Input Multiple Output) This Radio Unit (RUS 01 B2) has in WCDMA and LTE mode, the ability to be used in a RBS system configured for 3GPP MIMO/Spatial multiplexing and beam-forming technologies.
- 2) Modifications according to Exhibit 12 Circuit Description Modification

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 marknadskontroll för radioutrustning certifierad för USA-marknaden".

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

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