

Prepared (also subject responsible if other) RSACGUS	No. TA8AKRC11864-3		
Approved EAB/FJB/VA [Christer Gustavsson]	Checked	Date 2013-02-21	Rev D

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

SP Technical Research Institute of Sweden
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February 21, 2013

Subject: Permissive Change for FCC ID: TA8AKRC11864-3

To Whom It May Concern:

Ericsson AB requests a Permissive Change (Type Acceptance) for the above mentioned FCC Identifier.

This base station transceiver (Radio Unit – RUS 01 B5) is designed for use in GSM, WCDMA and LTE cellular telephone system. The transmitter will operate from 869 MHz to 894 MHz. The receiver circuit supports 824 MHz to 849 MHz. It supports channel bandwidth of 1.4, 3, 5, 10, 15 and 20 MHz for LTE. This base station transceiver (RU) supports modulation type GMSK and 8PSK, 16QAM, 16QAM, 32QAM and AQPSK for GSM, and QPSK, 16QAM and 64QAM for WCDMA and LTE. 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 Cellular band as per 47 CFR Part 22 subpart H. It meets the requirements of 3GPP specification for operation in GSM, WCDMA and LTE cellular systems.

This base station transceiver (RUS 01 B5) will in normal mode operate at a nominal power out of 20, 40, 60 and 80 watts at the output connector.

This Permissive Change request for this Radio Unit (RUS 01 B5) 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 B5) 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) For LTE this Radio Unit is able to transmit in multi carrier mode for Channel Bandwidth of 1.4, 3, 5 and 10 MHz.
- 3) Modifications according to Exhibit 12 Circuit Description Modification.

This application is only valid for the model specified in 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 marknadskontroll för radioutrustning certifierad för USA-marknaden*".

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

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