

Prepared (also subject responsible if other) RSACGUS		No. TA8AKRC1661320-1		
Approved EAB/FJB/VA [Christer Gustavsson]	Checked	Date 2013-11-04	Rev F	Reference

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

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Nov 04, 2013

## **Subject: Certification for FCC ID: TA8AKRC161320-1**

To Whom It May Concern:

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

This base station transceiver (Radio Unit –RUS 02 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 supports 824 MHz to 849 MHz. This Radio Unit supports channel bandwidths of 1.4, 3, 5, and 10 MHz for LTE. This Radio Unit supports modulation type GMSK, 8PSK, 16QAM, 32QAM and AQPSK for GSM and QPSK, 16QAM and 64QAM for WCDMA and LTE, QPSK. The base station operates in the Cellular band as per 47 CFR Part 22 subpart H. It meets the requirements of Third Generation Partnership Project (3GPP) for the Universal Mobile Telephone System (UMTS 3G) mobile standard (cellular telephone system) for operation in GSM, WCDMA and LTE cellular systems. This Radio Unit will in normal mode operate at a nominal power out of maximum 100 watts (Wide Area Base Station class) at the output connector.

This Radio Unit supports spectrum consisting of two or more sub-blocks separated by sub-block gap(s), NCS (None-Contiguous Spectrum).

MIMO (Multiple Input Multiple Output). This radio unit has in WCDMA and LTE the ability to be used in a RBS system configured for 3GPP MIMO/Spatial multiplexing and beam-forming technologies.

This Radio Unit supports MSR (Multi Standard Radio) with the ability to receive and transmits two or more carriers simultaneously, where at least one carrier is of a different RAT (Radio Access Technology). This Radio Unit supports MSR with GSM, WCDMA and LTE.

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 marknadskontroll för radioutrustning certifierad för USA-marknaden".

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