

Prepared (also subject responsible if other) RSACGUS		No. TA8AKRC161254-1 Uen		
Approved EAB/FJB/VA [Christer Gustavsson]	Checked	Date 2012-12-03	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
S-501 15 Borås
Sweden

Dec 03, 2012

Subject: Permissive Change for FCC ID: TA8AKRC161254-1

To Whom It May Concern:

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

This Remote Radio Unit (RRUS 11 B4) is designed for use in WCDMA and LTE wireless communications services system. The transmitter will operate from 2110 MHz to 2155 MHz and supports Channel Bandwidth of 1.4, 3, 5, 10, 15 and 20 MHz for LTE, 4.2 and 5 MHz for WCDMA. The receiver circuit supports frequencies from 1710 MHz to 1755 MHz. This Remote Radio Unit (RRUS 11 B4) supports modulation type QPSK, 16QAM and 64QAM for WCDMA and LTE. This Remote Radio Unit (RRUS 11 B4) is appropriate to use in different Ericsson radio base stations without re-measurement and re-filing when introducing a new base station type. This Remote Radio Unit (RRUS 11 B4) operates in the broadband PCS services as per 47 CFR Part 27 subpart L. It meets the requirements of 3GPP specification for operation in WCDMA and LTE cellular systems. This Remote Radio Unit (RRUS 11 B4) will in normal mode operate at a nominal power out of 10, 20 and 30 watts at each output connector. Maximum nominal power is equal to 2x44.8 dBm / 2x 30 W.

This application is only valid for the model specified in the Exhibit 12 Circuit Description.

This Permissive Change request for this Remote Radio Unit (RRUS 11 B4) is to include following, specified in Exhibit 12:

- 1) Support MSR (Multi Standard Radio) This Remote Radio Unit (RRUS 11 B4) has 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 RRU supports MSR with WCDMA and LTE.
- 2) Support MIMO (Multiple Input Multiple Output) This Remote Radio Unit (RRUS 11 B4) has the ability to transmit with Multiple Outputs in the same Band with 3GPP MIMO/Spatial multiplexing and beam-forming technologies.

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 accepts 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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