

Prepared (also subject responsible if other) EDENWES		No. TA8AKRC161276-2 Uen		
Approved EAB/FJB/VA [Christer Gustavsson]	Checked RSACGUS	Date 2013-07-02	Rev D	Reference

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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July 2, 2013

Subject: Permissive Change for FCC ID: TA8AKRC161276-2

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 B2) is designed for use in WCDMA and LTE wireless communications services system. The transmitter will operate from 1930 MHz to 1990 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 1850 MHz to 1910 MHz. This Remote Radio Unit (RRUS 11 B2) supports modulation type QPSK, 16QAM and 64QAM for WCDMA and LTE. This Remote Radio Unit (RRUS 11 B2) operates in the broadband PCS services as per 47 CFR Part 24 subpart E.

It meets the requirements of 3GPP specification for operation in WCDMA and LTE cellular systems.

This Remote Radio Unit (RRUS 11 B2) will in normal mode operate at a nominal power out of 10, 20, 30 and 40 watts at each output connector. Maximum nominal power is equal to 2x46 dBm / 2x40 W.

This Permissive Change request for this Remote Radio Unit (RRUS 11 B2) is to include following, specified in Exhibit 12:

- 1) Support MSR (Multi Standard Radio) with WCDMA and LTE. This Radio Remote Unit (RRUS 11 B2) 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) Supports NCS (None-Contiguous Spectrum). This Radio Remote Unit (RRUS 11 B2) supports spectrum consisting of two or more sub-blocks separated by sub-block gap(s).
- 3) Support MIMO (Multiple Input Multiple Output) with WCDMA and LTE. This Remote Radio Unit (RRUS 11 B2) has the ability transmit with Multiple Outputs in the same Band with 3GPP MIMO/Spatial multiplexing and beam-forming technologies.
- 4) In LTE mode this Radio Remote Unit (RRUS 11 B2) is able to transmit with multi carrier with up to 2 carriers.

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 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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