

Prepared (also subject responsible if other) RSACGUS		No. TA8AKRC161254-2 Uen		
Approved EAB/FJB/VA [Christer Gustavsson]	Checked	Date 2012-12-06	Rev G	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 06, 2012

## **Subject: Permissive Change for FCC ID: TA8AKRC161254-2**

To Whom It May Concern:

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

This Radio Unit (RRUS 11 B4) is designed for use in WCDMA, LTE and CDMA 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, 1.25 MHz for CDMA. The receiver circuit supports frequencies from 1710 MHz to 1755 MHz. This Radio Unit (RRUS 11 B4) supports modulation type QPSK, 16QAM and 64QAM for WCDMA and LTE, QPSK, 8PSK and 16QAM for CDMA. This 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 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 and 3GPP2 specification for operation in WCDMA and LTE cellular systems. This Radio Unit (RRUS 11 B4) will in normal mode operate at a nominal power out of 20, and 40 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 (RRUS 11 B4) is to include following, specified in Exhibit 12:

- 1) Support MSR (Multi Standard Radio) with WCDMA and LTE.
- 2) Support MIMO (Multiple Input Multiple Output) WCDMA and LTE. This 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 accept by this request the agreement set out in the document "Bilaga SPCR 125 -Avtal om marknadskontroll för radioutrustning certifierad för USA-marknaden".

Christer Gustavsson  
Staff Engineer, Regulatory Programs Ericsson AB  
FCC Registration Number (FRN): 0013476155  
Isafjordsgatan 10  
SE-164 80 Stockholm, Sweden  
Telephone No.: +46107175949  
e-mail: [christer.gustavsson@ericsson.com](mailto:christer.gustavsson@ericsson.com)