

Prepared (also subject responsible if other) EZGRELI		No.		
Approved	Checked	Date	Rev B	Reference

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

**Subject: Class II permissive change for FCC ID: TA8AKRC11866-1¹
TA8BKRC11866-1
TA8CKRC11866-1**

To Whom It May Concern:

Ericsson AB requests a Class II Permissive Change for the above mentioned FCC Identifier.

New functionality (NB-IoT) has been added in software, as described/covered in exhibit 12 and supporting documentation.

The radio operates in the Cellular band as per 47 CFR Part 24.

This radio (Radio RUS01 B2) is designed for use in LTE, WCDMA¹, GSM¹ cellular telephone system. This FDD radio operates in Band 2, the transmitter from 1930 MHz to 1990 MHz and the receiver from 1850 MHz to 1910 MHz. It supports radio access technology MR L+W¹+G¹, it supports channel bandwidths of 1.4, 3, 5, 10, 15, 20 MHz for LTE, 4.2 to 5 MHz for WCDMA¹ and 245 kHz for GSM¹.

The radio supports modulation types: QPSK, 16QAM, 64QAM, 256 QAM for LTE. QPSK, 16QAM, 64QAM for WCDMA¹. GMSK, 8-PSK, AQPSK, 16QAM, 32QAM for GSM¹.

The radio has the ability to be used in a RBS system configured for 3GPP up to 4x4 MIMO/Spatial multiplexing, beam-forming and NB-IoT technologies.

The radio will in normal mode operate at a maximum power of 60 W (48 dBm) at the output connector. The radio has a combined TX/RX port and a separate RX-port.

This radio will always require a license for transmission.

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 6 test report.

Ericsson AB accept by this request the agreement set out in the document "IP SPCR 125 Annex A2 Agreements on Post-market surveillance for radio equipment certified for the US market.

Note¹: TA8AKRC11866-1 does not include GSM and WCDMA.

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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.

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

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