

Prepared (also subject responsible if other) EZGRELI		No.		
Approved	Checked	Date	Rev A	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: TA8AKRC161489-1

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 2203 B2 B25) is designed for use in LTE, WCDMA cellular telephone system. This FDD radio is a dual band radio that operates in Band 2 and band 25. For B2 the transmitter band is from 1930 MHz to 1990 MHz and the receiver from 1850 MHz to 1910 MHz. For B25 the transmitter band is from 1930 MHz to 1995 MHz and the receiver from 1850 MHz to 1915 MHz.

It supports radio access technology MR L+W, it supports channel bandwidths of 1.4, 3, 5, 10, 15, 20 MHz for LTE and 4.2 to 5 MHz for WCDMA.

The radio supports modulation type QPSK, 16QAM, 64QAM, 256 QAM for LTE and QPSK, 16QAM, 64QAM for WCDMA.

The radio has the ability to be used in a RBS system configured for 3GPP up to 2x2 MIMO/Spatial multiplexing, beam-forming and NB-IoT technologies.

The radio will in normal mode operate at a maximum power of 5 W (~37 dBm) at the output connectors. The radio has two (2) combined TX/RX ports.

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.

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

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.

Lars Wallin
Quality and Release Management
Borgarfjordsgatan 18
SE-164 80 Stockholm
Sweden
Telephone No. +46 70 267 00 42
e-mail: lars.i.wallin@ericsson.com