

Prepared (also subject responsible if other) EHELAUD		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: TA8AKRC161636**

To Whom It May Concern:

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

New functionality (NR) 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 4415 B2/B25) is designed for use in GSM, WCDMA, LTE, NR, NB IoT cellular telephone system. This FDD radio operates in Band 2 and Band 25, the transmitter from 1930 - 1990 MHz and the receiver from 1850 - 1910 MHz for band 2 and the transmitter from 1930 - 1995 MHz and the receiver from 1850 - 1915 MHz for band 25. It supports radio access technology SR & MR GSM, WCDMA, LTE, NR, NB IoT, it supports channel bandwidths of 1.4, 3, 5, 10, 15, 20 MHz for LTE and 5, 10, 15, 20 MHz for NR. The radio supports modulation type GSM: GMSK, AQPSK, 8PSK WCDMA: QPSK, 16QAM, 64QAM LTE & NR: QPSK, 16QAM, 64QAM, 256QAM.

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

The radio will in normal mode operate at a maximum power of 40 W (46 dBm) at the output connectors. The radio has four (4) 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.

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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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