

Prepared (also subject responsible if other) <b>EPIRFAY</b>		No.		
Approved	Checked	Date	Rev <b>A</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: TA8FKRC161636**

To Whom It May Concern:

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

New functionality NR with NB-IoT and ESS Ericsson Spectrum Sharing have been added in the software and 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, the transmitter from 1930 - 1990 MHz and the receiver from 1850 - 1910 MHz. Also the radio operates in Band 25 the transmitter from 1930 - 1995 MHz and the receiver from 1850 - 1915 MHz. It supports radio access technology SR & MR 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 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 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 is submitted with previous applications 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) <b>EPIRFAY</b>		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](mailto:lars.i.wallin@ericsson.com)