

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

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: TA8AKRC161823-1

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 and 27.

This radio (Radio 4455 B2/B25 B66A) is designed for use in WCDMA, LTE, NB-IoT, NR cellular telephone system. This dual band FDD radio operates in Band 2 or Band 25 and Band 66A. For B2, the transmitter is from 1930 MHz to 1990 MHz and the receiver is from 1850 MHz to 1910 MHz. For B25, the transmitter is from 1930 MHz to 1995 MHz and the receiver is from 1850 MHz to 1915 MHz. For B66A, the transmitter is from 2110 MHz to 2180 MHz and the receiver is from 1710 MHz to 1780 MHz. It supports radio access technology SR & MR WCDMA, LTE, NB-IoT (IB, GB, SA), NR.

It supports channel bandwidths of 5, 10, 15, 20 MHz for LTE and 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 30W per port per band, 40W per port dual-band. 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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