



Confidentiality Class	External Confidentiality Label	Document Type	Page
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TA8AKRC161823-1	A	2023-08-18	

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

## Subject: Certification for FCC ID: TA8AKRC161823-1

To Whom It May Concern:

Ericsson AB requests a Class II Permissive Change for the above mentioned FCC Identifier to support additional NR BW of 25, 30, 35, 40MHz.

The radio operates in the Cellular band as per 47 CFR Part 24 for B2/B25 and Part 27 for B66A.

This radio (Radio 4455 B2/B25 B66A) is designed for use in SR & MR WCDMA, LTE, NR and NB-IoT cellular telephone system. This FDD radio operates in Band 2, 25 and 66A.

The transmitter operates from 1930 to 1990 MHz for B2, 1930 to 1995 MHz for B25, 2110 to 2180 MHz for B66A and the receiver from 1850 to 1910 MHz for B2, 1850 to 1915 MHz for B25, 1710 to 1780 MHz for B66A. It supports channel bandwidths of 5 MHz for WCDMA, 5, 10, 15, 20 MHz for LTE and 5, 10, 15, 20, 25, 30, 35, 40 MHz for NR. The radio supports modulation types of QPSK, 16QAM and 64QAM for WCDMA, QPSK, 16QAM, 64QAM and 256 QAM for LTE and NR.

The radio has the ability to be used in a RBS system configured for 3GPP MIMO and carrier aggregation technologies.

This radio will in normal mode operates at a nominal power out of 30 watts for single band and 40 watts for multi band at each of the output connector (4 connectors).

This radio will always require a license for transmission.

This application is only valid for the model specified in the Exhibit 6 test report.

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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