



Confidentiality Class	External Confidentiality Label	Document Type	Page
Ericsson Confidential		Exhibit	1 (1)
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TA8AKRC161636	A	2023-02-14	

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

Subject: Certification for FCC ID: TA8AKRC161636

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 and 40MHz.

The radio operates in the Cellular band as per 47 CFR Part 24.

This radio (Radio 4415 B2 B25) is designed for use in SR & MR GSM, WCDMA, LTE, NR and NB-IoT cellular telephone system. This FDD radio operates in Band 2 and in Band 25.

The transmitter operates from 1930 to 1990 MHz and the receiver from 1850 to 1910 MHz in Band 2, the transmitter also operates from 1930 to 1995 MHz and the receiver from 1850 to 1915 MHz in Band 25. It supports channel bandwidths of 200 kHz for GSM, 4.2-5 MHz for WCDMA, 1.4, 3, 5, 10, 15, 20 MHz for LTE and 5, 10, 15, 20, 25, 30, 40 MHz for NR. The radio supports modulation types of GMSK, AQPSK and 8PSK for GSM, 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 40 watts 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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