

Prepared (also subject responsible if other) EDENLAL	No. TA8AKRY901386-1		
Approved	Checked	Date 2021-03-24	Rev A

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

TUV SUD BABT
Octagon House
Concorde Way, Segensworth North
Fareham, Hampshire, PO15 5RL
United Kingdom

March 23, 2021

Subject: Class 2 Permissive Change for FCC ID: TA8AKRY901386-1

To Whom It May Concern:

Ericsson AB requests a Class 2 Permissive Change for the above-mentioned FCC Identifier.

This product is already approved for LTE and WCDMA operation. We now request to add NR and NB-IoT (Guardband and Inband).

No hardware changes have been performed on this product.

This Radio Unit (RD 4442 B25B66A) is designed for use in WCDMA, LTE and NR cellular telephone system. The FDD transmitter and receiver will transmit from 1930-1995 MHz and 2110-2180 MHz. It supports channel bandwidths of 5, 10, 15, and 20 MHz for LTE. It also supports channel bandwidths of 5, 10, 15, and 20 MHz for NR. The Radio Unit operates in the Broadband PCS Service as per 47 CFR Part 24 and the Advanced Wireless Service as per 47 CFR Part 27. It meets the requirements of Third Generation Partnership Project (3GPP) for operation in LTE and NR cellular systems.

The RD 4442 B25B66A product will also support NB-IoT Guardband and Inband operation for LTE signals >=10MHz.

The Radio Unit can be used in a RBS system configured for 3GPP MIMO/Spatial multiplexing and beam-forming technologies for LTE and NR.

The Radio Unit will in normal mode operate at a nominal power output of 50 mW per port at the output connectors (4 connectors with up to 50 mW in each connector connected to built-in antennas).

This Radio Unit (Radio Dot – RD 4442) will always require a license for transmission.

The Exhibit 8 user manuals submitted with this application are generic and may cover multiple products.

This application is only valid for the model specified in the Exhibit 12 circuit description.

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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