

Prepared (also subject responsible if other) <b>EDENLAL</b>		No. <b>TA8AKRY901404-1</b>		
Approved	Checked	Date <b>2021-03-30</b>	Rev <b>A</b>	Reference

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 30, 2021

## **Subject: Class 2 Permissive Change for FCC ID: TA8AKRY901404-1**

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 NBIoT (Guardband and Inband).

No hardware changes have been performed on this product.

The test reports presented in this application are based on tests performed on the RD 4442 B25B66A product (FCCID: TA8AKRY901386-1). The RD 2243 B66A product is identical to the RD 4442 B25B66A product except that the B25 circuits have been removed.

This Radio Unit (RD 2243 B66A) 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 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 2243 B6A product will also support NBIoT Guardband and Inband operation for LTE signals  $\geq 10$  MHz.

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 2243) 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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