

Prepared (also subject responsible if other) Denis Lalonde	No. TA8AKRY901515-1		
Approved	Checked	Date Feb. 7, 2022	Rev A

Federal Communications Commission  
Authorization & Evaluation Division  
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Columbia, Maryland 21046  
Attention: Equipment Authorization Branch

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Concorde Way, Segensworth North  
Fareham, Hampshire, PO15 5RL  
United Kingdom

February 7, 2022

## **Subject: Certification for FCC ID: TA8AKRY901515-1**

To Whom It May Concern:

Ericsson AB requests a Grant of Certification (Type Acceptance) for the above-mentioned FCC Identifier.

This Radio Unit (Dot 4459) is designed for use in NR cellular wireless systems. The TDD transmitter and receiver will operate from 3700-3980 MHz. It supports channel bandwidths of 20, 40, 60, 80, and 100 MHz for NR. The Radio Unit (RU) supports modulation types QPSK, 16QAM, 64QAM and 256QAM. The Radio Unit operates in the 3.7 GHz Service as per 47 CFR Part 27. It meets the requirements of Third Generation Partnership Project (3GPP) for operation in NR cellular systems.

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

The Radio Unit will in normal mode operate at a nominal power output of 400 mW per port at the output connectors (4 connectors with up to 400 mW in each port connected to built-in antennas).

This Radio Unit (Dot 4459) 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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