

| | | | | |
|--|---------|-----------------|-----|-----------|
| Prepared (also subject responsible if other) | | No. | | |
| Denis Lalonde | | TA8BKRY901537-1 | | |
| Approved | Checked | Date | Rev | Reference |
| | | June 6, 2023 | 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

June 6, 2023

Subject: Certification for FCC ID: TA8BKRY901537-1

To Whom It May Concern:

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

No changes have been made to the product hardware since it was originally approved with the TA8AKRY901537-1 FCCID. The request for an additional FCCID is to add the B48 operating band to the FCC file of this product.

This Radio Unit (Dot 2256) is designed for use in NR, LTE and NBloT cellular wireless systems. The TDD transmitters and receivers of B48 and B41 will operate from 3550-3700 MHz and 2496-2690 MHz. The FDD transmitters of B25 and B66 will operate from 1930-1995 MHz and 2110-2200 MHz. The FDD receivers of B25 and B66 will operate from 1850-1915 MHz and 1710-1780 MHz.

The B48 radio supports channel bandwidths of 10, 20, 30, 40, 50, 60, 70, 80, 90 and 100 MHz for NR, and supports channel bandwidths of 10 and 20 MHz for LTE. The B41 radio supports channel bandwidths of 10, 20, 30, 40, 50, 60, 70, 80, 90 and 100 MHz for NR, and supports channel bandwidths of 5, 10, 15 and 20 MHz for LTE. The B25 and B66 radios support channel bandwidths of 5, 10, 15, 20, 25, 30 and 40 MHz for NR/NBLoT, and support channel bandwidths of 5, 10, 15 and 20 MHz for LTE/NBLoT. The Radio Unit (RU) supports modulation types QPSK, 16QAM, 64QAM and 256QAM.

The Radio Unit operates in the Citizens Broadband Service (CBRS), the Broadband Radio Service, Advanced Wireless Service, and Broadband PCS Service as per 47 CFR Part 96, Part 27 and Part 24. It meets the requirements of Third Generation Partnership Project (3GPP) for operation in NR, LTE, and NBLoT cellular systems.

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

The product also meets all the SAS to CBSD requirements of Part 96 for the B48 radio. A separate test report includes these test results.

The Radio Unit will in normal mode operate at a maximum power output of 400 mW per port (4 ports with up to 400 mW in each port connected to B48 and B41 internal antennas and 4 ports with up to 200mW to B25 and B66 internal antennas).

This Radio Unit (Dot 2256) 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.

| | | | | |
|---|---------|------------------------|----------|-----------|
| Prepared (also subject responsible if other) Denis Lalonde | | No. TA8BKRY901537-1 | | |
| Approved | Checked | Date June 6, 2023 | Rev A | Reference |

Ericsson AB requests confidentiality under CFR 0.459 according to attached letter. We further certify that neither 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.



.....

Denis Lalonde
Team Leader RA approval
Ericsson Canada
349 Terry Fox Drive
Ottawa, Ontario, Canada, K2K 2V6
Telephone No.: 613-790-2901
e-mail: denis.lalonde@ericsson.com