

Prepared (also subject responsible if other)		No.		
Denis Lalonde		TA8AKRY901537-1		
Approved	Checked	Date	Rev	Reference
		Jan. 20, 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

January 19, 2022

Subject: Certification for FCC ID: TA8AKRY901537-1

To Whom It May Concern:

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

This Radio Unit (Dot 2256) is designed for use in NR, LTE and NBloT cellular wireless systems. The B41 TDD transmitter and receiver will operate from 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.

This product also contains a B48 radio, but it can't currently be used by our customers. The transmitter and receiver of the B48 radio are deactivated by Ericsson software; they will be activated after a Class II permissive change to the Grant of Certification is accomplished later.

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 Broadband Radio Service, Advanced Wireless Service, and Broadband PCS Service as per 47 CFR 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 has the ability to be used in an RBS system configured for 3GPP MIMO/Spatial multiplexing and beam-forming technologies for NR and LTE.

The Radio Unit will in normal mode operate at a maximum power output of 400 mW per port (2 ports with up to 400 mW in each port connected to B41 external ports and 4 ports with up to 200mW to the other B25 and B66 external ports).

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.

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.

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If additional information is needed, please contact me on the below listed number.



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