

Prepared (also subject responsible if other) Denis Lalonde		No. TA8AKRY901523-2		
Approved	Checked	Date Nov. 29, 2022	Rev A	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

November 29, 2022

**Subject: Certification for FCC ID: TA8AKRY901523-2**

To Whom It May Concern:

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

This Radio Unit (Dot 4465) is designed for use in NR, LTE and NBloT cellular wireless systems. The B77D TDD transmitter and receiver will operate from 3700-3980 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 B77D radios supports channel bandwidths of 10, 15, 20, 30, 40, 50, 60, 70, 80, 90, and 100 MHz for NR. The B25 and B66 radios supports channel bandwidths of 5, 10, 15, 20, 25, 30, and 40 MHz for NR/NBloT. The B25 and B66 radios supports 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 3.7 GHz 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 a 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 (4 ports with up to 400 mW in each port connected to B77D external ports and 4 ports with up to 200mW to the other B25 and B66 external ports).

This Radio Unit (Dot 4455) 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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