

Prepared (also subject responsible if other) Denis Lalonde		No. TA8AKRY901466-1		
Approved	Checked	Date June 16, 2021	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

June 15, 2021

**Subject: Certification for FCC ID: TA8AKRY901466-1**

To Whom It May Concern:

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

This Radio Unit (Dot 2272 B5B13) is designed for use in LTE and NR cellular telephone system. The FDD transmitter and receiver will transmit from 869-894 MHz and 746-756 MHz. It supports channel bandwidths of 5 and 10 MHz for LTE. It also supports channel bandwidths of 5, 10, 15, and 20 MHz for NR. The Radio Unit supports modulation types QPSK, 16QAM, 64QAM and 256QAM. The Radio Unit operates in the Cellular Radiotelephone Service as per 47 CFR Part 22 and the B13 band 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 Dot 2272 B5B13 product will also support NBloT Guardband and Inband operation for LTE signals >=10MHz.

The Dot 2272 B5B13 product uses the same pcb and hardware as the Dot 2282 B5B13 product (FCCID: TA8KRY901466-2). The only difference between the 2 products is the presence of internal/external antennas. All approval tests were done on the external antenna ports variant. This product includes 4 internal antennas.

The Radio Unit will in normal mode operate at a nominal power output of 50mW per port. This Radio Unit (Dot 2272 B5B13) 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.



Denis Lalonde  
 Developer, Regulatory Approval, Ericsson Canada  
 349 Terry Fox Drive  
 Ottawa, Ontario, Canada, K2K 2V6  
 Telephone No.: 613-963-6496  
 e-mail: [denis.lalonde@ericsson.com](mailto:denis.lalonde@ericsson.com)