

Prepared (also subject responsible if other) Denis Lalonde	No. TA8AKRY901428-1		
Approved	Checked	Date June 15, 2021	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
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United Kingdom

June 15, 2021

Subject: Certification for FCC ID: TA8AKRY901428-1

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 B5B12A) is designed for use in LTE and NR cellular telephone system. The FDD transmitter and receiver will transmit from 869-894 MHz and 729-745 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 729-745 MHz 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 B5B12A product will also support NB-IoT Guardband and Inband operation for LTE signals >=10MHz.

The Dot 2272 B5B12A product uses the same pcb and hardware as the Dot 2282 B5B12A product (FCCID: TA8KRY901428-2). 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 B5B12A) 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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