

Prepared (also subject responsible if other) ETCCHWQ		No. TA8AKRC161934		
Approved Weiqun Chen	Checked	Date 2021-08-12	Rev A	Reference

Federal Communications Commission
Authorization & Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046
Attention: Equipment Authorization Branch

Subject: Certification for FCC ID: TA8AKRC161934

To Whom It May Concern:

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

The radio operates in the broadband radio service band as per 47 CFR Part 27.

This radio (Radio / AIR 4435 B77D) is designed for use in NR mobile telephone system. This radio operates in Band 77D, the transmitter and the receiver from 3700 MHz to 3980 MHz. It supports channel bandwidths of 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz and 100 MHz for NR. The radio supports modulation types of QPSK, 16QAM, 64QAM and 256QAM for NR.

The radio supports spectrum consisting of two or more sub-blocks separated by sub-block gap(s), NCS (None-Contiguous Spectrum). The radio unit supports carrier aggregation.

The radio has the ability to be used in a RBS system configured for 3GPP MIMO/Spatial multiplexing and beam-forming technologies for NR.

The radio has 4 TX/RX ports. This radio will in normal mode operates at a maximum power of 15W per port at the output connector.

The Exhibit 8 user manuals submitted with this application is 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.

Weiqun Chen
Staff Engineer, Regulatory Programs Ericsson AB
Isafjordsgatan 10
Kista, SE-164 80 Stockholm
Sweden
Telephone No.: +86 10 8476 7227
e-mail: weiqun.chen@ericsson.com