

Prepared (also subject responsible if other) ETCCHWQ		No. TA8AKRC161925		
Approved Weiqun Chen	Checked	Date 2021-05-10	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: TA8AKRC161925**

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 B41) is designed for use in NR and LTE mobile telephone system. This radio operates in Band 41, the transmitter and the receiver from 2496 MHz to 2690 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, 10 MHz, 15 MHz and 20 MHz for LTE. The radio supports modulation types of QPSK, 16QAM, 64QAM and 256QAM for NR and LTE.

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 and LTE.

The radio has 4 TX/RX ports. This radio will in normal mode operates at a maximum power of 20W 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](mailto:weiqun.chen@ericsson.com)