

Prepared (also subject responsible if other) EHUAYAN		No. TA8AKRC161907-3		
Approved CBC/XRV/D Hua Yang	Checked	Date 2020-12-16	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: TA8AKRC161907-3

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 Cellular band as per 47 CFR Part 27.

This radio (Radio 8863 B77D) is designed for use in NR cellular telephone system. This TDD radio operates in Band 77D, the transmitter and the receiver from 3700 MHz to 3980 MHz. It supports radio access technology SR NR.

It supports channel bandwidths of 10 MHz, 15 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90MHz and 100MHz for NR. The radio supports modulation types of QPSK, 16 QAM, 64QAM and 256 QAM for NR.

The radio supports spectrum consisting of two or more sub-blocks separated by sub-block gap(s), NCS (Non-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 8 TX/RX ports. This radio will in normal mode operates at a maximum power of 10W for channel bandwidth 10 MHz, 15W for 15MHz, 20W for 20MHz, 30W for 30MHz and 40W for 40, 50, 60, 70, 80, 90, 100MHz 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.

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