

Prepared (also subject responsible if other) EHELAUD		No.		
Approved	Checked	Date	Rev C	Reference

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

Subject: Certification for FCC ID: TA8AKRC161847

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 Personal Communications Services and Miscellaneous Wireless Communications Services as per 47 CFR Part 24 and 27.

This radio (Radio 4499 44B2/B25 44B66A C) is designed for use in GSM, WCDMA, LTE, NB IoT cellular telephone system. This FDD radio operates in Band 2, Band 25 and Band 66A.

Band 2: Transmitter from 1930 - 1990 MHz and the receiver from 1850 - 1910 MHz.
Band 25: Transmitter from 1930 - 1995 MHz and the receiver from 1850 - 1915 MHz.
Band 66A: Transmitter from 2110-2180 MHz and the receiver from 1710-1780 MHz.

It supports following radio access technologies: B2: GSM, WCDMA, LTE, NB IoT B25: WCDMA, LTE, NB IoT B66A: WCDMA, LTE, NB IoT

it supports channel bandwidths of 1.4, 3, 5, 10, 15, 20 MHz for LTE (B66A does not support 1,4 and 3MHz) 5MHz for WCDMA.

The radio supports modulation types:

GSM: GMSK, AQPSK, 8PSK
WCDMA: QPSK, 16QAM, 64QAM
LTE: QPSK, 16QAM, 64QAM, 256QAM
IoT: QPSK, BPSK

The radio has the ability to be used in a RBS system configured for 3GPP up to 4x4 MIMO/Spatial multiplexing, carrier aggregation, NB-IoT technologies and beam-forming technologies.

The radio will in normal mode operate at a maximum power of 80 W (49 dBm) at the output connectors. The radio has four (4) combined TX/RX ports.

This radio will always require a license for transmission. 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 accept by this request the agreement set out in the document "IP SPCR 125 Annex A2 Agreements on Post-market surveillance for radio equipment certified for the US market.

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.

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If additional information is needed, please contact me on the below listed number.

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