

Confidentiality Class	External Confidentiality Label	Document Type	Page
Ericsson Confidential			1 (2)
Prepared By (Subject Responsible)	Approved By (Document Responsible)	Checked	
EHELAUD Audun Helle			
Document Number	Revision	Date	Reference
	B	2020-10-13	



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

## Subject: Class II Permissive Change for FCC ID: TA8AKRC161847

To Whom It May Concern:

Ericsson AB requests a Class II permissive change for the above-mentioned FCC Identifier.

Changes have been made as described/covered in exhibit 12 and supporting documentation.

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, NR 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.  
 For WCDMA on B66A: Transmitter from 2110-2155 MHz and the receiver from 1710-1755 MHz

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

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, 5, 10, 15, 20 MHz for NR

The radio supports modulation types:

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

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.

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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.

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

Lars Wallin  
Quality and Release Management  
Isafjordsgatan 10  
SE-164 80 Stockholm  
Sweden  
Telephone No. +46 70 267 00 42  
e-mail: lars.i.wallin@ericsson.com