

Confidentiality Class	External Confidentiality Label	Document Type	Page
Ericsson Internal			1 (2)
Prepared By (Subject Responsible)	Approved By (Document Responsible)		Checked
EALIAFR Afrah Ali Sadiq			
Document Number	Revision	Date	Reference
	A	2022-02-15	



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: TA8AKRC161881-3

To Whom It May Concern:

Ericsson AB requests a Class II Permissive Change for the above-mentioned FCC Identifier.

New functionality (the added NB-IoT functionality to NR) has been added in software, as described/covered in Exhibit 12 and supporting documentation.

The radio operates in the Cellular band as per 47 CFR Part 27. This radio (Radio 4478 B12A) is designed for use in NR, LTE, NB IoT cellular telephone system.

This FDD radio operates in Band 12A.

Band 12A: Transmitter from 729 - 745 MHz and the receiver from 699 - 715MHz.

It supports radio access technology SR & MR LTE, NR, NB IoT (IB, GB, SA), and supports channel bandwidths of 5, 10 and 15 MHz for LTE and for NR.

The radio supports modulation types of QPSK for NB-IoT, QPSK, 16QAM, 64QAM and 256QAM for LTE & NR.

The radio has the ability to be used in a RBS system configured for 3GPP up to 4x4 MIMO/Spatial multiplexing, beam-forming and NB-IoT technologies. The radio will in normal mode operate at a maximum power of 40 W (46 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 - manuals submitted with this application is generic and may cover multiple products.

This application is only valid for the model specified in the Exhibit 6- test report.

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

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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.

DocuSigned by:

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