

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	2022-04-05	



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: TA8AKRC161688

To Whom It May Concern:

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 2 and Part 24. This radio (Radio 2212 B2 B25) is designed for use in NR, LTE, NB IoT, WCDMA cellular telephone system.

This FDD radio operates in Band 2 and Band 25.

Band 2: Transmitter from 1930 - 1990 MHz and the receiver from 1850 - 1910MHz.
Band 25: Transmitter from 1930 - 1995 MHz and the receiver from 1850 - 1915MHz.

It supports radio access technology SR & MR WCDMA, LTE, NR, NB IoT (IB, GB, SA), and supports channel bandwidths of 1.4, 3, 5, 10, 15, 20 MHz for LTE and 5, 10, 15, 20 MHz for NR.

The radio supports modulation type WCDMA: QPSK, 16QAM, 64QAM LTE & NR: QPSK, 16QAM, 64QAM, 256QAM.

The radio has the ability to be used in a RBS system configured for 3GPP up to 2x2 MIMO/Spatial multiplexing, beam-forming and NB-IoT technologies. The radio will in normal mode operate at a maximum power of 80 W (49.0 dBm) at the output connectors.

The radio has two (2) 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:
Lars Wallin
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