

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

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: TA8AKRC161689

To Whom It May Concern:

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

New functionality (NB-IoT) 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 22.

This radio (Radio 4478 B5) is designed for use in WCDMA, LTE cellular telephone system. This FDD radio operates in Band 5, the transmitter from 869 - 894 MHz and the receiver from 824 - 849 MHz.

It supports radio access technology MR W+L, it supports channel bandwidths of 1.4, 3, 5, 10, 15 MHz + 2x10 MHz carrier aggregation for LTE.

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

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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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