

Prepared (also subject responsible if other) <b>EHELAUD</b>		No.		
Approved	Checked	Date	Rev <b>A</b>	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: TA8AKRC161669-3**

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 90.

This radio (Radio 4478 B14 (G2)) is designed for use in LTE cellular telephone system. This FDD radio operates in Band 14, the transmitter from 758 - 768 MHz and the receiver from 788 - 798 MHz. It supports channel bandwidths of 5 MHz and 5+5 MHz carrier aggregation. The radio supports modulation type 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, 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 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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