

Prepared (also subject responsible if other) ERAWALA		No.		
Approved BNEPBAJD	Checked	Date 2017-10-22	Rev A	Reference

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

## **Subject: Certification for FCC ID: TA8AKRC161689**

To Whom It May Concern:

Ericsson AB requests a Grant of Certification (Type Acceptance) for the above mentioned FCC Identifier.

The radio operates in the Cellular band as per 47 CFR Part 22.

This radio (Radio 4478 B5) is designed for use in LTE cellular telephone system. This FDD radio operates in Band 5, the transmitter from 869 MHz to 894 MHz and the receiver from 824 MHz to 849 MHz.  
It supports radio access technology SR LTE.  
It supports channel bandwidths of 1.4, 3, 5, 10 MHz.  
The radio supports modulation type QPSK, 16QAM, 64QAM and 256 QAM.

The radio supports spectrum consisting of two or more sub-blocks separated by sub-block gap(s), NCS (None-Contiguous Spectrum). The radio unit supports carrier aggregation.

The radio has the ability to be used in a RBS system configured for 3GPP up to 4x4 MIMO/Spatial multiplexing and beam-forming technologies.

The radio supports LTE NB-IoT inband functionality.

The radio will in normal mode operate at a maximum power of 40 W per port at the output connectors. The radio has 4 Tx 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 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.

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

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