

Prepared (also subject responsible if other) ERAWALA		No.		
Approved BNEPBAJD	Checked	Date 2017-10-20	Rev B	Reference

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

Subject: Certification for FCC ID: TA8AKRC161636

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 24.

This radio (Radio 4415 B2 B25) is designed for use in GSM, WCDMA and LTE cellular telephone system. This FDD radio operates in Band 2 and in Band 25.

The Transmitter part of this RRU operates with GSM, WCDMA, LTE in frequency band 2: 1930 - 1990 MHz and with WCDMA, LTE in frequency band 25: 1930 - 1995 MHz.

The Receiver part of this RRU operates with GSM, WCDMA, LTE in frequency band 2: 1850 - 1910 MHz and with WCDMA, LTE in frequency band 25: 1850 - 1915.

It supports channel bandwidths of 200 kHz for GSM, 4.2 - 5 MHz for WCDMA, 1.4, 3, 5, 10, 15 and 20 MHz for LTE. The radio supports modulation type GMSK, AQPSK and 8PSK for GSM, QPSK, 16 QAM and 64 QAM for WCDMA and QPSK, 16QAM, 64QAM and 256 QAM for LTE.

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 dual TX and Quad RX technologies for GSM.

The radio has the ability to be used in a RBS system configured for 3GPP up to 2x2 MIMO/Spatial multiplexing and beam-forming technologies for WCDMA.

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 for LTE.

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.

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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.

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

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