

Prepared (also subject responsible if other) EDAVBOL		No. TA8AKRC118050-1		
Approved	Checked	Date 2014-08-29	Rev PA1	Reference

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

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29 August 2014

FCC ID: TA8AKRC118050-1
Industry Canada ID: 287AB-AS1180501
IC Model: AS1180501

Subject: Certification for FCC ID TA8AKRC118050-1

To Whom It May Concern:

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

The product in this application ARUS 32 B4 is a multi-standard Antenna Radio Unit (ARUS) forming part of the Ericsson RBS 6000 series Radio Base Station (RBS). The ARUS provides the wireless radio access interface for mobile and fixed devices and is designed for the outdoor environment. This radio base station transceiver (ARUS) is designed for use with Multi-RAT cellular Radio Access Technology (RAT) systems. The ARUS 32 B4 supports four (4) Transmit / Receive ports at a Downlink transmit of 2110MHz to 2155MHz and an Uplink receive from 1710MHz to 1755MHz in FDD (Frequency Division Duplex). This Radio Unit will operate up to a maximum RF output power of 4 x 30 watts (Wide Area Base Station class). The ARUS supports channel bandwidths of 1.4, 3, 5, 10, 15 and 20MHz for LTE with modulation types QPSK, 16QAM and 64QAM. The base station operates in the Cellular band as per 47 CFR Part 27 and meets the requirements of Third Generation Partnership Project (3GPP) for the Universal Mobile Telephone System (UMTS 3G) mobile standard (cellular telephone system) for operation in LTE cellular systems. This Radio Unit supports spectrum consisting of two or more sub-blocks separated by sub-block gap(s), NCS (None-Contiguous Spectrum). This Radio Unit supports MIMO (Multiple Input Multiple Output) and has the ability to transmit with Multiple Outputs in the same Band with 3GPP MIMO/Spatial multiplexing and beam-forming technologies. This Radio Unit supports MSR (Multi Standard Radio) with the ability to receive and transmit two or more carriers simultaneously, where at least one carrier is of a different RAT. This Radio Unit supports MSR with LTE and WCDMA..

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 Operational Description.

Ericsson Canada / 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.

Ericsson Canada / Ericsson AB accept by this request the agreement set out in the document "Annex SPCR 125 –Agreement on post-market surveillance for radio equipment certified for the US market".

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