

Prepared (also subject responsible if other) <b>EZGRELI</b>		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: TA8AKRC118055-1**

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 24.

This radio (Radio AIR21 B2A B12P B8P) is designed for use in LTE, WCDMA, GSM cellular telephone system. This FDD radio operates in Band 2, the transmitter from 1930 MHz to 1990 MHz and the receiver from 1850 MHz to 1910 MHz.

It supports radio access technology MR L+W+G, it supports channel bandwidths of 1.4, 3, 5, 10, 15, 20, 40 MHz for LTE, 4.2 to 5 MHz for WCDMA and 245 kHz for GSM.

The radio supports modulation types: QPSK, 16QAM, 64QAM, 256 QAM for LTE. QPSK, 16QAM, 64QAM for WCDMA. GMSK, 8-PSK, AQPSK, 16QAM, 32QAM for GSM.

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

The radio will in normal mode operate at a maximum power of 30 W (45 dBm) at the output connectors. The radio have two (2) TX-ports and four (4) separate 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.

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

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.

Lars Wallin

Quality and Release Management  
Borgarfjordsgatan 18  
SE-164 80 Stockholm  
Sweden  
Telephone No. +46 70 267 00 42  
e-mail: [lars.i.wallin@ericsson.com](mailto:lars.i.wallin@ericsson.com)