

Prepared (also subject responsible if other) ERAWALA		No.		
Approved	Checked	Date 2018-11-08	Rev 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: TA8AKRD901059-1

To Whom It May Concern:

Ericsson AB requests a Class II Permissive Change for the above FCC Identifier. Changes have been made as described/covered in exhibit 12 and supporting documentation. The main reason for this CIIPC is the introduction of a new radio access technology, NR and the introduction of a DC fed version of the product.

The Antenna Integrated Radio unit (AIR) operates in the Upper Microwave Flexible Use Service (band 27.5 GHz—28.35 GHz) as per 47 CFR Part 30.

This radio (AIR 5121) uses a pre-NR Radio Access Technology for 5G (3GPP/Verizon) and NR Radio Access Technology for 5G (3GPP). The radio is designed for use in 5G cellular telephone system. This TDD radio operates in Band 257A/B261/n261, from 27500 MHz to 28350 MHz.

The Radio is, through Advanced Antenna System technology (AAS), capable of beam forming/steering in azimuth/elevation.

It supports channel bandwidth 100 MHz for pre-NR. For NR it supports channel bandwidths 50 MHz and 100 MHz. The radio supports modulation types QPSK, 16QAM, and 64QAM.

The radio unit supports intra band carrier aggregation.

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

The radio supports 8 beams.

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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