

Prepared (also subject responsible if other) ERAWALA		No.		
Approved BNEPBAJD	Checked	Date 2018-03-13	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: TA8AKRD901059-1**

To Whom It May Concern:

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

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 B257A) uses a pre-NR Radio Access Technology for 5G (3GPP/Verizon) and is designed for use in 5G cellular telephone system. This TDD radio operates in Band 257A, 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 of 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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