

Prepared (also subject responsible if other) EHUAYAN		No. TA8BKRD901160		
Approved Hua Yang	Checked	Date 2021-12-07	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: TA8BKRD901160

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 Citizens Broadband Radio Service band as per 47 CFR Part 96.

This radio (AIR 6488 B48) is designed for use in LTE cellular telephone system. This radio operates in Band 48, the transmitter and the receiver operate from 3550 MHz to 3700 MHz frequency band. It supports channel bandwidths of 10 MHz and 20 MHz, modulation types of QPSK, 16QAM, 64QAM and 256QAM.

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 MIMO/Spatial multiplexing and beamforming technologies as an Active Antenna System. The radio supports CBRS (Citizens Broadband Radio Service).

The radio has 64 TX/RX ports. It will in normal mode operates at a maximum power of 50mW for channel bandwidth 10 MHz and 100mW for 20 MHz per port at the transceiver array boundary (TAB) connector.

This Permissive Change request for this radio (AIR 6488 B48) is for introducing another integrated antenna with gain of 23.2 dBi per polarization. The antenna gain is 0.7dBi higher than previous antenna. The conducted power will decrease to 42mW for channel bandwidth 10 MHz and 84mW for 20 MHz per port when the antenna with higher antenna gain installed.

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 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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