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: TA8AKRD901258

To Whom It May Concern:

Ericsson AB requests a Class II Permissive Change for above mentioned FCC Identifier to support Band 48.

The radio operates in the Cellular band as per 47 CFR Part 96.

This radio (AIR 1672 B48 B77D) is designed for use in NR mobile telephone system. This radio operates in Band 77D and Band 48.

Band 77D: Transmitter and receiver from 3700 MHz to 3980 MHz
Band 48: Transmitter and receiver from 3550 MHz to 3700 MHz

It supports channel bandwidths of 20 MHz, 40 MHz, 60 MHz, 80 MHz and 100 MH for NR in Band 77D, 10 MHz, 20 MHz, 30 MHz, 40 MHz, 50 MHz, 60 MHz, 70 MHz, 80 MHz, 90 MHz and 100 MH for NR in Band 48. The radio supports modulation types of QPSK, 16QAM, 64QAM and 256QAM for NR.

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 and beamforming technologies as an Advanced Antenna System.

The radio has 16 TX/RX ports. This radio will in normal mode operates at a maximum power of 80W in total ports at the transceiver array boundary (TAB) connector.

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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