

Prepared (also subject responsible if other) EPANLIG Ling Pan L		No. TA8AKRC161707-2		
Approved	Checked	Date 2024-05-31	Rev A	Reference

Federal Communications Commission
 Authorization & Evaluation Division
 7435 Oakland Mills Road
 Columbia, Maryland 21046-1609
 Attention: Equipment Authorization Branch

FCC ID: TA8AKRC161707-2

FCC Reference: CFR 47 Part 2, Part 24, Part 27

Subject: Class II Permissive Change for FCC ID: TA8AKRC161707-2

The reason for this Class II Filing is to add additional NR (New Radio) channel bandwidths and RF Emission Designations to the existing Authorization / Grant. This change will enable additional SRO/MRO NR 25/30/35 40MHz, carrier Emission Bandwidths to the Grant. Multi-carrier SRO/MRO maximum RF output power is unchanged.

The radio operates in the Cellular band as per 47 CFR Part 2, 24,27.

This radio (Radio 8843 B2 B66A) is designed for use in NR, LTE, NB IoT cellular telephone system.

This FDD radio operates in Band 2 and Band 66.

Band 2: Transmitter from 1930 - 1990 MHz and the receiver from 1850 - 1910 MHz.

Band 66 A: Transmitter from 2110 - 2180 MHz and the receiver from 1710 - 1780MHz.

It supports radio access technology SR & MR LTE, NR, NB IoT (IB, GB), and supports. channel bandwidths of 5, 10, 15, 20 MHz for LTE and 5, 10, 15, 20,25,30,35,40 MHz for NR.

The radio supports modulation type LTE & NR: QPSK, 16QAM, 64QAM, 256QAM.

The radio has the ability to be used in a RBS system configured for 3GPP up to 4x4 MIMO/Spatial multiplexing, beam-forming and NB-IoT technologies. The radio will in normal mode operate at a maximum power of 80 W (49 dBm) at the output connectors.

The radio has four (4) combined TX/RX ports. This radio will always require a license for transmission.

The Exhibit 8 - 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 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.

If additional information is needed, please contact me on the below listed number.

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