

Prepared (also subject responsible if other)		No.		
EPANLIG		TA8AKRC161741-2		
Approved	Checked	Date	Rev	Reference
Ling Pan L		2023-07-26	A	

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

**Subject: Certification for FCC ID: TA8AKRC161741-2**

To Whom It May Concern:

Ericsson AB requests a Class II Permissive Change for the above mentioned FCC Identifier to support additional NR BW of 25,30,40,50MHz.

The radio operates in the Broadband Radio Service band as per 47 CFR Part 27.

This radio (Radio 4402 B7) is designed for used in WCDMA, LTE and NR cellular telephone system. This FDD radio operates in Band 7. The transmitter is from 2620MHz to 2690MHz and the receiver is from 2500MHz to 2570MHz. It supports radio access technology SR WCDMA, SR LTE, SR NR and MR WCDMA + LTE+ NB-IoT (in-band, NB-IoT standalone, guard-band)+NR.

It supports channel bandwidths of 5 MHz for WCDMA, 200KHz for NB-IoT standalone, 1.4, 3, 5, 10, 15 and 20 MHz for LTE and 5, 10, 15,20,25,30,40,50MHz for NR. The radio supports modulation types of QPSK, 16 QAM and 64 QAM for WCDMA; QPSK for NB-IoT; QPSK, 16QAM, 64QAM and 256 QAM for LTE&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/Spatial multiplexing and beam-forming technologies for LTE.

This radio will in normal mode operates at a maximum power of 5W per port, the radio has 4 TX/RX ports.

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.

Ling Pan L  
Staff Engineer, Regulatory Programs Ericsson AB  
Isafjordsgatan 10  
Kista, SE-164 80 Stockholm  
Sweden  
Telephone No.: +86 28 8530 0227  
[e-mail: ling.l.pan@ericsson.com](mailto:ling.l.pan@ericsson.com)