

Prepared (also subject responsible if other) EHUAYAN		No. TA8FKRC161644		
Approved CBC/XRV/D Hua Yang	Checked	Date 2018-08-15	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: TA8FKRC161644**

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 Cellular band as per 47 CFR Part 27.

This radio (Radio 4415 B66A) is designed for use in WCDMA, LTE, NB-IOT In-band, NB-IOT standalone and NB-IOT guard-band cellular telephone system. This FDD radio operates in Band 66A, the transmitter from 2110 MHz to 2180 MHz and the receiver from 1710 MHz to 1780 MHz.

It supports channel bandwidths of 5 MHz for WCDMA, 5, 10, 15 and 20 MHz for LTE. The radio supports modulation types of QPSK, 16 QAM and 64 QAM for WCDMA, QPSK, 16QAM, 64QAM and 256 QAM for LTE.

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 40W per port at the output connector. The radio has 4 TX ports.

This Permissive Change request for this transceiver (Radio 4415 B66A) is to add NB-IoT guard-band, specified in Exhibit 12 Circuit Description. The change is only software and hardware are un-changed.

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.

Hua Yang  
 Staff Engineer, Regulatory Programs Ericsson AB  
 Isafjordsgatan 10  
 Kista, SE-164 80 Stockholm  
 Sweden  
 Telephone No.: +86 10 8476 7133  
 e-mail: [hua.yang@ericsson.com](mailto:hua.yang@ericsson.com)