

Prepared (also subject responsible if other) EWAGTIG		No. TA8AKRC161609-1		
Approved CBC/XRV/D Tingting Wang	Checked	Date 2017-06-26	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: TA8AKRC161609-1**

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 15.

This radio (Radio 2205 B46) is designed for use in LTE cellular telephone system and for LAA to extend benefits of LTE on unlicensed spectrum. This radio operates in Band UNII-I and UNII-III, the transmitter from 5155.8 MHz to 5250 MHz and 5725 MHz to 5850 MHz. It only supports channel bandwidths of 20 MHz. The radio supports modulation types of QPSK, 16QAM, 64QAM, 256QAM of LTE.

The base station operates in the Cellular band as per FCC CFR 47. It meets the requirements of Third Generation Partnership Project (3GPP) for operation in LTE and LAA.

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 technologies for LTE.

This radio will in normal mode operates at two nominal powers with different antennas: 0.316W per port with 6dBi omni antenna and 0.112W per port with 10.5dBi directional antenna. Professional Installation mechanism secure installation must be controlled and implemented by licensed professionals.

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.

The Radio 2205 B46 must always be powered by an AC or DC PSU approved by Ericsson. Only antennas listed in Exhibit 8 "RF Electromagnetic Field" are supported by Ericsson and covered by EMF testing. All other antennas are subject to Site Licensing terms.

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)