

Prepared (Subject resp) ESAVMIK		No. TA8AKRD90106083 / 287AB-AS90106083		
Approved (Document resp) LMF/TXA (Mika Savilakso)	Checked	Date 2016-09-21	Rev B	Reference

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

TÜV SÜD BABT  
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Segensworth North, Fareham,  
Hampshire  
PO15 5RL United Kingdom

September 06 2016

**Subject: Certification for FCC ID: TA8AKRD90106083**

To Whom It May Concern:

Ericsson AB requests a Certification (Type Acceptance) for the above mentioned FCC Identifier.

This base station transceiver (Radio Base Station – RBS 6402) is designed for use in LTE cellular telephone System and for LAA to extend benefits of LTE on unlicensed spectrum. The transmitter will operate from 1930 MHz to 1990 MHz, from 1930 to 1995 MHz, from 2110 to 2155 MHz and from 2620 to 2690 MHz LTE on unlicensed from 5150 to 5250 MHz and from 5735 to 5835 MHz. The receiver circuit supports from 1850 to 1910 MHz, from 1850 to 1915 MHz, from 1710 to 1755 MHz, from 2500 to 2570 MHz. It supports channel bandwidths of 5, 10, 15 and 20 MHz for LTE. On the unlicensed bands, only the 20 MHz Channel Bandwidth is supported. This Radio Base Station supports modulation type and QPSK, 16QAM and 64QAM for 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 device is a LAA small cell designed for compliance with 3GPP Release 13 and utilizing listen before talk for spectrum sharing in the UNII-1 and UNII-3 unlicensed spectrum bands.

This base station transceiver (Radio Base Station – RBS 6402) will in normal mode operate at a nominal power out of 250 milliwatts at the output connectors, to feed an Integrated omni antenna.

This RBS 6402 has two dual-TX Radio Modules where each of the two RF chains are identical. The first dual-TX Radio Module operates on licensed bands, and the other dual-TX Radio Module operates on unlicensed bands. The RBS 6402 can be configured to two 2x2 MIMO per radio or CA inter-band CA, or LAA operation with two radio cards

This RBS 6402 supports two Radio Modules of which both have two identical down-link and up-link signal paths

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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