

Prepared (also subject responsible if other) EMWON		No. TA8AKRC161553-1		
Approved EAB/FJB/RGV [Ove Nilsson]	Checked	Date 2015-12-23	Rev B	Reference

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

SP Technical Research Institute of Sweden
 Brinellgatan 4
 Box 857
 SE-501 15 Borås
 Sweden

December 23, 2015

Subject: Certification for FCC ID: TA8AKRC161553-1

To Whom It May Concern:

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

This base station transceiver (Remote Radio Unit – Radio 2203 B66A) is designed for use in WCDMA and LTE cellular telephone system. The transmitter will operate from 2110 MHz to 2180 MHz for LTE and from 2110 MHz to 2155 MHz for WCDMA. The receiver circuit supports 1710 MHz to 1780 MHz for LTE and 1710 MHz to 1755 MHz for WCDMA. It supports channel bandwidths of 4.2 to 5 MHz for WCDMA and 1.4, 3, 5, 10, 15 and 20 MHz for LTE. This Remote Radio Unit supports modulation types QPSK, 16QAM, 64QAM and 256QAM for LTE and modulation types QPSK, 16QAM and 64QAM for WCDMA. The base station operates in the Cellular band as per 47 CFR Part 27. It meets the requirements of Third Generation Partnership Project (3GPP) LTE and WCDMA cellular systems.

This Remote Radio Unit will in normal mode operate at a nominal power out of maximum 2x5 watt (Medium Range Base Station class) at output connectors (2 connectors, up to 5 watt in each connector).

This Remote Radio Unit supports MIMO (Multiple Input Multiple Output) and has the ability to transmit with Multiple Outputs in the same Band with 3GPP MIMO/Spatial multiplexing and beam-forming technologies.

The Exhibit 8 user manuals submitted with this application are generic and may cover multiple products. This application is only valid for the model specified in the Exhibit 12 circuit description.

The Radio 2203 B66A must always be powered by an AC or DC PSU approved by Ericsson. The Ericsson approval requirement also applies for the additional fan and the mounting bracket. 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.

Prepared (also subject responsible if other) EMWON		No. TA8AKRC161553-1		
Approved EAB/FJB/RGV [Ove Nilsson]	Checked	Date 2015-12-23	Rev B	Reference

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.

Ericsson AB accept by this request the agreement set out in the document "Bilaga SPCR 125 -Avtal om marknadskontroll för radioutrustning certifierad för USA-marknaden".

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

Ove Nilsson
Staff Engineer, Regulatory Programs Ericsson AB
FCC Registration Number (FRN): 0013476155
Lindholmospiren 11
SE-417 56 Gothenburg
Sweden
Telephone No.: +46 10 7126490
e-mail: ove.nilsson@ericsson.com