

Prepared (also subject responsible if other) EDAVBOL [David Bolzon]		No. TA8BKRC161630 / 287AB-BS161630		
Approved	Checked	Date 2018-02-21	Rev A	Reference

Federal Communications Commission
Authorization & Evaluation Division
7435 Oakland Mills Road
Columbia, Maryland 21046-1609

Nemko Canada Inc.
303 River Road
Ottawa, Ontario, Canada
K1V 1H2

21 February 2018

FCC ID: TA8BKRC161630

IC: 287AB-BS161630

HVIN: BS161630

Subject: Class II Permissive Change for FCC ID: TA8BKRC161630

To Whom It May Concern:

Ericsson Canada / Ericsson AB respectfully requests a Class II Permissive Change for the above-mentioned FCC Identifier under the provisions of FCC rule 2.1043. The Permissive Change Request for this Remote Radio Unit (Radio 2212 B66A) is to include WCDMA and multi-standard operation to the existing LTE Radio Certification. Updates and inclusions for this radio product are described in Exhibit 12: Technical Circuit Description. The product in this application (Radio 2212 B66A) is a multi-standard radio forming part of the Ericsson RBS 6000 series Radio Base Station (RBS). The Radio 2212 provides the wireless radio access interface for mobile and fixed devices and is designed for the outdoor environment. The Band 66A radio transmitter operates over 2110MHz to 2180MHz and supports LTE Channel Bandwidths of 5MHz, 10MHz, 15MHz and 20MHz for single-carrier and multi-carrier combinations to a maximum of 6 carriers per port. For WCDMA the radio transmits over 2110MHz to 2155MHz and supports WCDMA at a Channel Bandwidth of 5MHz for single-carrier and multi-carrier combinations to a maximum of 6 carriers per port. For Mixed Mode / Multi-Standard Radio the Radio 2212 transmitter operates over 2110MHz to 2180MHz supporting WCDMA carriers in the 2110MHz to 2155MHz spectrum and LTE in the 2110MHz to 2180MHz spectrum. The Radio 2212 supports LTE modulation types QPSK, 16QAM, 64QAM and 256QAM with LTE in-band NB IoT and WCDMA modulation types QPSK, 16QAM and 64QAM. The maximum rated RF power per port is consistent (no change) with the existing FCC Grant for this product.

The Permissive Change request for this transceiver (Radio 2212 B66A) is to include the following:

- 1) Add WCDMA Carrier (5M00F9W) and multi-carrier operation to the existing Grant**
- 2) Add Mixed Mode (LTE + WCDMA) and multi-carrier operation to the existing Grant**

Note: To enable the above carrier functions only software / firmware changes were implemented, no hardware changes.

The Exhibit 12 Operational Description describes the operation and functions of this radio.

The applicant certifies that no party to this application is subject to a denial of federal benefits pursuant to Section 5301 of the Anti-Drug abuse Act of 1988.

Your prompt attention to this matter is appreciated. Should additional information be required, please contact the undersigned:



DAVID BOLZON Sr. Engineer - Regulatory Approvals
FCC Registration Number (FRN) 0013476155

Ericsson Canada Inc.
349 Terry Fox Drive
Ottawa, On, K2K 2V6, Canada
Phone: +1.613.963.6998
Mobile: +1.613.219.5892
Email: david.bolzon@ericsson.com