

Prepared (also subject responsible if other) EDAVBOL [David Bolzon]		No. TA8AKRC161912-3 / 287AB-AS1619123		
Approved	Checked	Date 2022-03-29	Rev B	Reference Radio 4460

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

29 March 2022

FCC ID: TA8AKRC161912-3

IC: 287AB-AS1619123

HVIN: AS1619123

FCC Reference: CFR 47 Part 2, Part 24, Part 27

Subject: Request for FCC Class II Permissive Change Filing

Ericsson AB / Ericsson Canada Inc. formally request a Class II Permissive Change filing for the above referenced product.

The reason for this Class II Filing is to add additional NR (New Radio) bandwidths and RF Emission Designations to the existing Authorization / Grant. This change will enable additional SRO/MRO NR 25MHz, 30MHz and 40MHz carrier Emission Bandwidths to the Grant. Multi-carrier SRO/MRO maximum RF output power is unchanged.

Transmission Bandwidth Configurations:

Band 2/25 DL 1930 – 1995MHz:

LTE/NR: 5, 10, 15, 20MHz, (LTE+NB-IoT (IB): 5MHz, LTE+NB-IoT (IB, GB) 10, 15, 20MHz), NR 25, 30, 40MHz
WCDMA: 5MHz; GSM: 200kHz; CDMA: 1.25MHz

Band 66 DL 2110 – 2200MHz:

LTE/NR: 5, 10, 15, 20MHz, (LTE+NB-IoT (IB): 5MHz, LTE+NB-IoT (IB, GB) 10, 15, 20MHz), NR 25, 30, 40MHz
WCDMA: 5MHz

This Radio is designed for SC/MC Cellular Communications supporting SRO/MRO for NR (New Radio) and LTE including LTE+NB-IoT (IB, GB) operations, WCDMA, GSM and CDMA. The Radio is a Dual Band FDD transceiver operating in Band 2 / Band 25 and Band 66.

Band 2/25

TX (DL): 1930 - 1995 MHz

RX (UL): 1850 - 1915 MHz

Band 66

TX (DL): 2110 - 2200 MHz

RX (UL): 1710 - 1780 MHz

The Radio 4460 44B2/25 44B66 C supports LTE/NR Channel Bandwidths of 5, 10, 15, 20MHz and NR 25, 30, and 40MHz with Modulation type QPSK, 16QAM, 64QAM and 256QAM; WCDMA: QPSK, 16QAM, 64QAM; GSM: GMSK, 8-PSK, AQPSK; CDMA: QPSK, 8-PSK, 16QAM. The Radio 4460 is capable of operating in an RBS System supporting 3GPP MIMO/Spatial Multiplexing, Carrier Aggregation, ESS (Ericsson Spectrum Sharing) and NB-IoT (IB, GB) technologies.

Dated this 29th **Day of** March **2022**

By:



Signature

David Bolzon

Printed

Applicant: Ericsson AB

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