

Prepared (also subject responsible if other) EDAVBOL [David Bolzon]		No. 287AB-AS1619833 / TA8AKRC161983-3		
Approved	Checked	Date 2024-01-25	Rev A	Reference Radio 4890HP

Nemko Canada Inc.  
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Certification and Engineering Bureau  
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25 January 2024

IC: 287AB-AS1619833

HVIN: AS1619833

FCC ID: TA8AKRC161983-3

IC Reference: RSS-GEN, RSS-133, RSS-139

**Subject: Request for ISED (Industry Canada) Class III Permissive Change Filing**

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

The reason for this Class III Filing is to add an additional RAT (WCDMA) and RF Emission Designation to the existing Authorization / Grant. This change will enable additional WCDMA SRO/MRO functionality and a new Emission Bandwidth to the Grant. Multi-carrier SRO/MRO maximum RF output power is unchanged.

Transmission Bandwidth Configurations:

Band 2/25 DL 1930 – 1995MHz:

LTE: 5, 10, 15, 20MHz, (LTE+NB-IoT (IB): 5MHz, LTE+NB-IoT (IB, GB) 10, 15, 20MHz)

NR: 5, 10, 15, 20, 25, 30, 40MHz

WCDMA: 3.8MHz – 5MHz; DL: 1930 – 1990MHz (Limited to Band 2 operation)

Band 66 DL 2110 – 2200MHz:

LTE: 5, 10, 15, 20MHz, (LTE+NB-IoT (IB): 5MHz, LTE+NB-IoT (IB, GB) 10, 15, 20MHz)

NR: 5, 10, 15, 20, 25, 30, 40MHz

WCDMA: 3.8MHz – 5MHz; DL: 2110 – 2155MHz (Limited to Band 4 operation)

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 and WCDMA. 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 4890HP 48B2/B25 48B66 M01 supports LTE/NR Channel Bandwidths of 5, 10, 15, 20MHz with Modulation type QPSK, 16QAM, 64QAM and 256QAM in addition to NR 25, 30 and 40MHz Bandwidths and WCDMA with Modulation type QPSK, 16QAM and 64QAM. The Radio 4890HP operates in an RBS System supporting 3GPP MIMO/Spatial Multiplexing, Carrier Aggregation, ESS (Ericsson Spectrum Sharing) and NB-IoT (IB, GB) technologies.

**Dated this** 25<sup>th</sup> **Day of** January 2024

**By:**



**David Bolzon**

**Signature**

**Printed**

**Applicant:** Ericsson AB

**DAVID BOLZON**

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