

Prepared (also subject responsible if other) EDAVBOL [David Bolzon]		No. TA8AKRC161983-3 / 287AB-AS1619833		
Approved	Checked	Date 2023-07-14	Rev A	Reference Radio 4890HP

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

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

14 July 2023

FCC ID: TA8AKRC161983-3

IC: 287AB-AS1619833

HVIN: AS1619833

Product: KRC 161 983/31

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

**Subject: Request for FCC Certification**

Ericsson AB / Ericsson Canada Inc. formally request Certification for the above referenced product.

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

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

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. 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 and 20MHz with Modulation type QPSK, 16QAM, 64QAM and 256QAM. The Radio 4890HP 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 14<sup>th</sup> Day of July 2023**

By:



**Signature**

**David Bolzon**

**Printed**

**Applicant: Ericsson AB**

**DAVID BOLZON**

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