

Prepared (also subject responsible if other) EDAVBOL [David Bolzon]		No. TA8AKRD901800-1		
Approved	Checked	Date 2021-03-03	Rev D	Reference FRN: 0013476155

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

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

3 March 2021

FCC ID: TA8AKRD901800-1

Model: AIR 1641 B2/25a B66a
Product Number: KRD 901 800/1

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

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 NR (New Radio) RF Carriers to the existing Authorization / Grant. This will enable SRO/MRO for LTE and NR.

Transmission Bandwidth Configurations, 1 -3 carriers:

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)

Band 66 DL 2110 – 2200MHz:

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

This Radio is designed for Cellular Communications supporting SRO/MRO for NR (New Radio) and LTE including LTE+NB-IoT (IB, GB) operations. It is a Dual Band FDD Radio operating in Band 2 or 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 AIR 1641 Radio supports LTE/NR Channel Bandwidths of 5, 10, 15 and 20MHz with Modulation type QPSK, 16QAM, 64QAM and 256QAM. The Radio is capable of operating in an RBS System for 3GPP MIMO/Spatial Multiplexing, Carrier Aggregation, ESS (Ericsson Spectrum Sharing) and NB-IoT (IB, GB) technologies.

Dated this 3rd **Day of** March **2021**

By:



Signature

David Bolzon

Printed

Applicant: Ericsson AB

DAVID BOLZON

Sr. RF Engineer – Regulatory Approvals

Ericsson Canada Inc.

349 Terry Fox Drive

Ottawa, On, K2K 2V6, Canada

Mobile: +1.613.219.5892

Email: david.bolzon@ericsson.com