

Prepared (also subject responsible if other) EDAVBOL [David Bolzon]		No. TA8AKRD901800-1		
Approved	Checked	Date 2020-10-23	Rev C	Reference FRN: 0013476155

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

23 October 2020

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 an additional LTE RF Carrier to the existing Authorization / Grant. This will allow transmission from 1 - 2 carriers to a maximum of 3 carriers per port per band.

Transmission Bandwidth Configurations, 1 -3 carriers:

Band 2/25 DL 1930 – 1995MHz:

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

Band 66 DL 2110 – 2200MHz:

LTE: 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 LTE and 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 Channel Bandwidths of 5, 10, 15 and 20MHz with Modulation type LTE QPSK, 16QAM, 64QAM and 256QAM. The Radio is capable of operating in an RBS System for 3GPP MIMO/Spatial Multiplexing, Carrier Aggregation and NB-IoT (IB, GB) technologies.

Dated this 23rd **Day of** October 2020

By:



Signature

David Bolzon

Printed

Applicant: Ericsson AB

DAVID BOLZON

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