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03/27/2019

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

FCC ID: 2AEYU-R3

Product Name: Ranger R1, R2, R3, R3D

Differences between variations:

All models (R1, R2, R3 and R3D) share the same hardware. They are variations of the same radar product so there is no physical difference. The RF transmit power is the same for all variations. The output frequency spectrum is also the same for variants R1, R2, R3 and R3D (when operating in FastScan mode). The R3D, when operating in Doppler mode, uses a smaller portion of the same output frequency spectrum. The DC input power consumption is also the same for all variations. The software package is identical in all variations.

The difference resides in the software configuration that controls how the data is presented to the user. The R1 reports objects in a 700 meters instrumented range. The R2 reports objects in a 1400 meters instrumented range. The R3 reports objects in a 2800 meters instrumented range. The R3D has a Doppler mode configuration where it can report moving and stationary objects in the 2800 meters range.

The reported instrumented range and Doppler mode are software keys under the form of licenses. The license keys will unlock the range limitation and access to Doppler mode. For R1 and R2 variations the software simply ignores any data coming from more than 700 meters or 1400 meters. The RF output power is not reduced even if the reported range is less than 2800 meters.

The proper license key is loaded in each radar unit based on customer orders. Each radar unit is labeled accordingly. The difference between all variations is in fact based on licensing.

Dated this *27th* *Day of* *March 2019*

Agency agreement expiration date: *May 25, 2017*

By: *Pierre Poitevin*

Signature *Printed*

Title: *Vice-President of Radar Systems*

On behalf of: *FLIR Radars Inc.*

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