



May 3, 2024

Nemko North America, Inc.

303 River Road, Ottawa, ON K1V 1H2 Canada
Attn: Director of Certification

FCC ID: 2AOX5PRK002001

ISED certification number: **IC: 22369-PRK002001**
HVINs/Models: PRK002001 Rev A, PRK001002 Rev A

Family Certification request letter

We hereby request Family Certification for the above mentioned HVINs/Models based on them being electrically identical.

Both models are electrically identical, as they use the same PCB with the same layout and population, other than how the super capacitor is connected. PRK001002 Rev A has the super capacitor soldered to the PCBA and PRK002001 Rev A has the super capacitor connected via wires to a cell holder.


For power, both models are powered by LiSOC12 primary cell batteries and a super capacitor. PRK001002 Rev A uses a single non-replaceable 34615 (D) cell, and PRK002001 Rev A uses five replaceable 17505 (A) cells. Both use the same 1520 sized super capacitor, just mounted differently as indicated earlier.

Both models use the same antenna on a flexible PCB. Due to the enclosure differences, the flexible PCB has slightly different non-copper areas (see internal photo document) to improve adhesion and is oriented differently in each enclosure.

The two models have differently shaped polycarbonate enclosures with PRK001002 Rev A having a smaller length and width, but greater height than PRK002001 Rev A. Both models are the same colour. See photo documents. PRK001002 Rev A is designed to be installed below ground in a hole and covered in epoxy. PRK002001 Rev A is designed to be installed on the surface. The enclosure area above the radar transceiver is different between the two models, see operational description and photos for details.

Sincerely,

Signed by:



Signature

Ryan Hickey

Print name

Chief Revenue Officer

Title

519-998-6164

Phone