

March 14, 2024

Nemko North America, Inc.
 303 River Road, Ottawa, ON K1V 1H2 Canada
 Attn: Director of Certification

FCC ID: XGS-ST9100
 ISED certification number: **IC: 11881A-ST9100**
 HVINs/Models: ST9100

Family Certification request letter

We hereby request Family Certification for the above mentioned HVINs/Models based on them being electrically, and physically identical apart from model name/number. The following information describes the details difference of each variants.

ORBCOMM has developed a new variant of ST9100 family products. The new variant, named Model Number ST9101 and Part Number ST9101-F01. The follow information describes the difference between the ST9101 and previous two ST9100 variants (ST9100-C01 and ST9100-D01).

1. Transceiver unit
 - New variant ST9101 has new host microprocessor, compared with other variants.
 - Satellite radio hardware is identical for all three variants.
 - Cellular OEM modems (pre-certified) are different to cover different global bands. OEM's modem's footprints are compatible.

2. Antenna units
 - Satellite radio antenna, new version antenna card is introduced with some parts changes due to from the original parts supply issue. The new version antenna will replace the old antenna card.
 - Cellular, all three variants share the same cellular antenna.

All three variants share identical satellite radio RF circuit in transceiver.

4. Software


A new firmware of satellite radio is created to add more satellite channel configuration, to ST9101, and may be used for other variants as well.

5. Mechanic Identical

All three variants share the same mechanical construction, identical enclosure.

Sincerely,

Signed by:



Signature

Xinming Wang

Print name

Director, Hardware Integrity & Regulations

Title

613.368.5766

Phone



