

Family Model Similarity Declaration

Date: 11-12-2025

SUBJECT: Family Model Similarity Declaration Letter To

Whom It May Concern:

We declare that the family models listed below are electrically identical.

Product Information	
Applicant Name:	SparkFun Electronics
Product Description:	GNSS Receiver
Model (s):	ES980 Pro, RTK Torch, Torch X2, Torch X2T, Torch X2i,

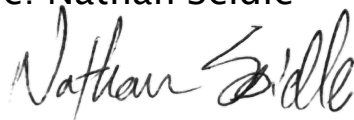
This family of GNSS RTK devices, including models ES980 Pro, RTK Torch, Torch X2, Torch X2T, and Torch X2i, shares identical electrical circuit design, RF characteristics, and antenna systems.

The differences between these models are solely related to firmware features and functional enhancements, as described below: ES980 Pro VS RTK Torch: no difference. RTK Torch vs. Torch X2: The primary difference lies in the built-in GNSS positioning algorithms and regional support. The two models utilize different firmware configurations to accommodate varying regional requirements and performance optimizations. Torch X2T: This model builds upon the RTK Torch/Torch X2 platform by adding tilt measurement functionality, enabling accurate positioning even when the device is not perfectly level. Torch X2i: Based on the Torch X2T, this model further incorporates an integrated laser rangefinder, providing additional distance measurement capability. All other hardware and RF components remain consistent across the series. These variations do not affect RF compliance or operating parameters

Regards

Applicant Printed Name: Nathan Seidle

Applicant's Signature:



Company: SparkFun Electronics

Job Title: CEO

Email: nathan@sparkfun.com

Telephone: (303) 284-0979