



Testing Tomorrow's Technology

November 22, 2021

**Subject: FCC Part 15C and ISED Class 2 PERMISSIVE CHANGE for Neptune Technology Group Inc, Model Pocket ProReader RF, FCC ID: P2SNTGPKT11O1, IC: 4171B-12O88**

The purpose of this report is to file for a Class II permissive change for the following reasons:

- **MCU board changes**
  - Removed the 8051 MCU and RF transmitter IC
  - Removed the 19.66kHz crystal
  - Removed the LCD bias supply circuitry
  - Removed the EEPROM IC
  - Removed the SRAM IC
  - Added the Silicon Labs MCU with integrated RF section.
  - Added a 38.4MHz crystal
  - Added a 5.5V power supply to the MCU board
  - Added a JTAG connection to the MCU board
- **Assembly changes**
  - Replaced the LCD module
  - Advantage II - Added ferrites to battery and coil wires
  - Added a ferrite to coil wires
  - Added an extension cable to the new LCD module

Due to the changes above, the equipment was re-evaluated for continued compliance with Part 15.249, 15.209 and RSS-210 requirements. The following tests were performed:

- Intentional Radiated emissions
- Spurious Radiated emissions
- Powerline Conducted emissions

No other hardware changes have been made to the original product. No additional changes were made to the transmitter circuitry of the radio and the changes described in this filing result in the same RF characteristics as in the original filing. All other original test results continue to be representative of the equipment.

There is no increase in the output power, no RF Exposure condition changed, and the device remains in the same equipment class. There are no other changes to the device that indicate a need for a new FCC ID or IC Number.

The test report shows that the product continues to meet the applicable requirements for FCC Part 15 and RSS-210. See the test report and additional submittal exhibits for details.

Best Regards,

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