

DECLARATION OF SIMILARITY

Federal Communications Commission
Authorization and Evaluation Division
7435 Oakland Mills Rd.
Columbia, MD 21046

Dear Sir or Madam:

November 22, 2023

We, rf IDEas, Inc. hereby declare that the Model OEM-805N14KU-V3 is electrically equivalent to the original Wave ID products originally tested and listed in listed in the FCC ID: M9MFPA0100 project. Both this and the original product were tested by Radiometrics Midwest Corporation (Reference FCC ID: M9MFPA0100).

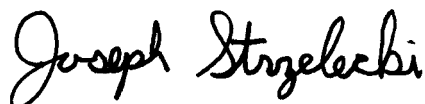
The micro controller processor used in the current models has reached the end-of-life cycle for IC designated at U4. The current IC part number and marking will change from SIM3U166-B-GM to STM32G473CCU6, now designated at U200. A Model number, OEM-805N14KU-V3, has been added to the product family.

The new microcontroller processor IC is not pin for pin compatible, therefore requiring a new PCB. The PCB has changed from PCB-1080-03N to PCB-1133-01N.

The function of the readers is the same in all products. The new microcontroller has the same exact function as the old chip. The form, fit, and function of the product remains identical. No change in radio parameters has occurred. The clocks, tuning circuits, antennas, RF power and modulation remained unchanged. The integrated circuits and components generating the 13.56 MHz and 125 kHz signals have not changed.

Please contact me should there be need for any additional clarification or information.

Best Regards,
Authorized Signature



Joseph Strzelecki
Senior EMC Engineer
Radiometrics Midwest Corporation
Authorized Agent for rf IDEas, Inc.