



DECLARATION OF SIMILARITY

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

Dear Sir or Madam:

April 11, 2025

We, rf IDEas, Inc. hereby declare that the Model NC-M7XC is electrically equivalent to the original Wave ID products originally tested and listed as the FCC ID: M9MM7XC project. Both this and the original product were tested by Radiometrics Midwest Corporation (Reference FCC ID: M9MM7XC).

The current micro controller processor used in the current models like RDR-70U1AKU or RDR-75U1AKU reached the end-of-life cycle for IC designated at U3. The current IC part number and marking will change from SIM3U154-B-GM to STM32G473CEU6 now designated at U200. The form fit, and function of the IC remained identical. The clocks, antennas, and modulation remained unchanged.

1. The new microcontroller processor IC is not pin for pin compatible, therefore requiring PCB layout changes. The new microcontroller does not generate or amplify the 13.56 MHz RF signal.
2. The PCB Identification has changed from PCB-1088-07 to PCB-1150-02
3. The new microcontroller processor has the same exact function as the old chip
4. No change in radio parameters has occurred
5. The Integrated Circuits generating the 13.56 MHz RF signals have not changed.
6. The tuning circuits have minor value changes. The revised schematics are included in this application.

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

Best Regards,
Authorized Signature

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