

## DECLARATION OF SIMILARITY

March 31, 2022

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

Dear Sir or Madam:

We, rf IDEas, Inc. hereby declare that the Wave ID products listed in the table below are electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics as model OEM-305N11KU-BGM-S, which was tested by Radiometrics Midwest Corporation, the results of which are featured in Radiometrics' project: RP-9589. (Reference FCC ID: M9MF30100).

### Existing model numbers

Model Number	Description
RDR-30541AKU	WAVE ID Mobile Keystroke V2 Micro OEM Desktop USB Reader
RDR-30031AKU	Wave ID Mobile Keystroke w/iClass SE & SEOS Desktop USB Black Reader
RDR-30531AKU	Wave ID Mobile Keystroke Desktop USB Black reader
RDR-30532AKU	Wave ID Mobile SDK Desktop USB Black reader

The additional model numbers for this permissive change and changes are as follows:

Model Number	Description for the WAVE ID Plus; USB Reader
OEM-305N11KU-BGM	WAVE ID Mobile OEM V2 Pack ID Keystroke module USB Reader
OEM-305N11KU-BGM-X	WAVE ID Mobile OEM V2 Pack ID Keystroke module USB Reader without cable
OEM-305N11KU-BGM-S	WAVE ID Mobile OEM V2 Pack ID Keystroke Expandable module USB Reader
OEM-305N11KU-BGM-S-X	WAVE ID Mobile OEM V2 Pack ID Keystroke Expandable module USB Reader without cable

The series inductors on the antenna have been changed to 180 nH (L1 & L2) and C1 to 33 pF. The original L1 & L2 was at 100 nH and C3 was at 39pF. The RFID BLE reader will not have a housing.

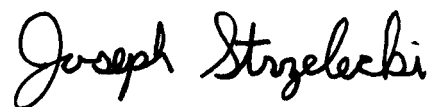
1. The function of the reader remained identical.
2. The clocks, tuning circuits, antennas, RF power and modulation remained unchanged.
3. No change in radio parameters has occurred
4. The main PCB has not changed.

Model OEM-305N11KU-BGM-S was fully tested as it represented all changes made to the product.

The untested model numbers listed above are electrically identical with as those tested, and are representative for the tested models.

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

Best Regards,  
Authorized Signature

A handwritten signature in black ink that reads "Joseph Strzelecki". The signature is written in a cursive style with a large, prominent initial "J".

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