RF IDEAS
Single Badge Solutions for Identification and Access

# DECLARATION OF SIMILARITY

January 23, 2020

To:
FEDERAL COMMUNICATIONS COMMISSIONS
Authorization and Evaluation Division
7435 Oakland Mills Road
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Innovation, Science and Economic Development Canada
Certification and Engineering Bureau
P.O. Box 11490, Station 'H'
3701 Carling Ave., Building 94
Ottawa, Ontario K2H 8S2
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To whom it may concern:

We, RF IDeas, Inc. hereby declare that product: Wave ID Plus, Regulatory model: FCC ID: M9MF80100, IC: 6571A-F80100 are electrically identical with the same electromagnetic emissions and electromagnetic compatibility characteristics.

All Main PCBA and Antenna PCBA listed on the table below were fully tested and the results of which are featured in Radiometrics' project: RP-9208.

| Part Number | Interface | Main PCBA | Antenna PCBA | Description |
|---|---|---|---|---|
| RDR-80541AKU-RSOP | USB | PCB-1080-03 | PCB-1101-02 | OEM WaveID Plus USB for Ricoh SOP |
| RDR-80031AKU | USB | PCB-1080-03E | PCB-1098-05 | WaveID Plus Desktop SE - USB Keystroke |
| RDR-80032AKU | USB | PCB-1080-03E | PCB-1098-05 | WaveID Plus Desktop SE - USB SDK |
| RDR-80531AKU | USB | PCB-1080-03E | PCB-1098-05 | WaveID Plus Desktop - USB Keystroke |
| RDR-80532AKU | USB | PCB-1080-03E | PCB-1098-05 | WaveID Plus Desktop - USB SDK |
| OEM-805N11KU | USB | PCB-1080-03E | PCB-1098-05 | WaveID Plus OEM (no housing) - USB Keystroke |
| OEM-805N21KU | USB | PCB-1080-03E | PCB-1098-05 | WaveID Plus OEM (no housing) - USB SDK |
| RDR-80031AK7 | Serial | PCB-1080-03E | PCB-1098-05 | WaveID Plus Desktop SE Serial - 9VDC vial Dongle |
| RDR-80531AK5 | Serial | PCB-1080-03E | PCB-1098-05 | WaveID Plus Desktop Serial - 5VDC Pin 9 PWR |
| RDR-80531AK7 | Serial | PCB-1080-03E | PCB-1098-05 | WaveID Plus Desktop Serial - 9VDC vial Dongle |
| OEM-805N11K5 | Serial | PCB-1080-03E | PCB-1098-05 | WaveID Plus OEM Serial (no housing) - 5VDC Pin 9 PWR |
| OEM-805N11K7 | Serial | PCB-1080-03E | PCB-1098-05 | WaveID Plus OEM Serial (no housing) - 9VDC via Dongle |

The printed circuit boards are the same with minor electrical components between the USB and Serial 5V DC & 9V DC models. Serial readers will have the RS232 IC and the 9V model will get an onboard regulator. The Transmitter on all models has built in 5 Volt regulation.

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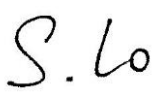
The products will not be sold to the general public. RF Ideas or the OEM will be responsible to ensure the proper installation in accordance with RF Ideas requirements.

All of the model numbers use the same frequency determining circuitry. The 13.56 MHz and 125 kHz trasnmitter circuits are identical on all boards. There are two different shapes of Antennas. Each antenna was tested.

The antenna has a unique connector to ensure no other antennas will be used. The antenna is internal to the EUT and it is not readily available to be modified by the end user.

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

Sincerely,



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