

DECLARATION OF SIMILARITY

January 23, 2020

To:
FEDERAL COMMUNICATIONS COMMISSIONS
Authorization and Evaluation Division
7435 Oakland Mills Road
Columbia, MD 21046

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
Canada

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.



Single Badge Solutions for Identification and Access

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 trasnmmitter 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,

A handwritten signature in black ink that reads "S. Lo".

Shiung Lo
RF IDEas, Inc. / Regulatory Administrator
4020 Winnetka Avenue,
Rolling Meadows, IL 60008
Tel: (847) 870- 1723
Fax: (847) 483-1129
Email: slo@RFIDEas.com