

March 26, 2026
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Federal Communications Commission
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Innovation, Science, and Economic Development Canada (ISED)
Certification and Engineering Bureau
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3701 Carling Ave., Building 94
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Canada

Reference IC ID: 6571A-LC7X11U
Reference FCC ID: M9MLC7X11U

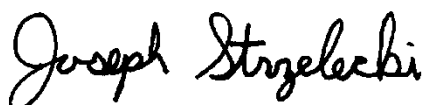
Regarding: Application for a Class II Permissive Change/Reassessment**Organization:** rf IDEAS, Inc.

We are filing for a Class II permissive change certified under the same FCC ID: M9MLC7X11U.

The current micro controller processor used in the current models like RDR-7011AKU or RDR-7511AKU 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. Certain passive element values in tuning circuits were modified to tune the read range.

1. The new microcontroller processor IC is not pin for pin compatible, therefore requiring a new PCB.
2. The PCB has changed from PCB-1057-01 to PCB-1131-03.
3. The new microcontroller processor has the same exact function as the old chip.
4. The Integrated Circuits and components generating the 13.56 MHz RF signals have tuning changes.
5. L1 & L2 changes from 680mH to L360 & L361 @ 270mH
6. C40 & C41 changes from 100pF to C360 & C361 @ NP
7. C46 & C47 changes from 180pF to C364 & C365 @ 39pF
8. C56 changes from 27pF to C370 & C371 @ 36.3pF
9. R20 changes from 15K to R370 @ 27K

Authorized Signature



Joseph Strzelecki
Senior EMC Engineer
Radiometrics Midwest Corporation
Authorized Agent for RF Ideas, Inc.