

RF Exposure Report

Project Number: 5172414**Proposal: SUW-202312005705****Report Number: 5172414EMC21****Revision Level: 1****Client: Accu-Time Systems, Inc.****Equipment Under Test: RFID Reader****Model: AccuProx****FCC ID: 2BFYF-ACCUPROX****Applicable Standards: 47 C.F.R. §§ 2.1091; FCC KDB 447498****FCC KDB 447498 D04 General RF Exposure Guidance v01****Report issued on: 05 August 2024****Report revised on: 29 August 2024****Test Result: Compliant**

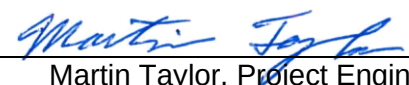
FOR THE SCOPE OF ACCREDITATION UNDER CERTIFICATE NUMBER: 3212.01

This report must not be used by the client to claim product certification, approval, or endorsement by A2LA, NIST, or any agency of the Federal Government.

Prepared by:


Daniel Alvarez, RF/EMC Sr. Staff Engineer

Reviewed by:


Martin Taylor, Project Engineer

Remarks: This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx>. And for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/terms-e-document.aspx>.

Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for a maximum of 30 days only.

TABLE OF CONTENTS

1	GENERAL INFORMATION.....	3
1.1	CLIENT INFORMATION.....	3
1.1	TEST LABORATORY	3
1.2	GENERAL INFORMATION OF EUT	3
1.3	OPERATING MODES AND CONDITIONS	3
2	RF EXPOSURE.....	4
2.1	TEST RESULT.....	4
2.2	TEST METHOD.....	4
2.3	SINGLE TRANSMISSION RF EXPOSURE LEVELS (mW/cm ²)	4
3	REVISION HISTORY	5

1 General Information

1.1 Client Information

Name: Accu-Time Systems, Inc.
Address: 20-B International Drive,
City, State, Zip, Country: South Windsor, CN 06095

1.1 Test Laboratory

Name: SGS North America, Inc.
Address: 620 Old Peachtree Road NW, Suite 100
City, State, Zip, Country: Suwanee, GA 30024, USA

Accrediting Body: A2LA
Type of lab: Testing Laboratory
Certificate Number: 3212.01

1.2 General Information of EUT

Equipment Under Test: RFID Reader
Model Number: AccuProx
Serial Number: 243423206772

Frequency Range: 125 kHz
Modulation: RFID – ASK
Antenna: Wire Wound - Loop antenna*

Rated Voltage: +5 VDC
Test Voltage: +5 VDC

Sample Received Date: 15 April 2024
Dates of testing: 24 April 2024 through 21 June 2024.

**Data was not measured; therefore, the lab is not responsible for accuracy. Data was obtained via customer, specification sheet, previous regulatory filing, or other means.*

2 RF Exposure

2.1 Test Result

Test Description	Product Specific Standard	Test Result
RF Exposure	FCC Part 1.1307	Compliant

2.2 Test Method

Using the maximum power (including tune-up tolerances), the power density was calculated. Maximum antenna gain was assumed for this exercise.

2.3 1-mW Test Exemption

Per § 1.1307(b)(3)(i)(A), a single RF source is exempt RF device (from the requirement to show data demonstrating compliance to RF exposure limits, as previously mentioned) if the available maximum time-averaged power is no more than 1 mW, regardless of separation distance. This exemption applies to all operating configurations and exposure conditions, for the frequency range 100 kHz to 100 GHz, regardless of fixed, mobile, or portable device exposure conditions. This is a standalone exemption, and it cannot be applied in conjunction with any other test exemption.

2.4 Single transmission RF Exposure Levels (mW/cm^2)

Measured Maximum Output Power: 79 dBuV @ 3meters = -16.2dBm EIRP = 0.023988mW

Product complies with the 1mW limit.

3 Revision History

Revision Level	Description of changes	Revision Date
DRAFT	Draft Release	28 June 2024
0	Initial release	05 August 2024
1	Revised section 2.4 & FCC ID.	29 August 2024