


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

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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