



Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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Test Report

Prepared for: TimeKeeping Systems Inc.

Model: PLT-001

Description: Precision Locator Tag

Serial Number: N/A

FCC ID: MTD-0008

To

FCC Part 1.1310

Date of Issue: January 14, 2018

On the behalf of the applicant:

TimeKeeping Systems Inc.
30700 Bainbridge Rd
Cleveland, OH 44139

Attention of:

Barry Markwitz, President
Ph: (216)595-0890
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Prepared By
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Project No: p18b0005

Poona Saber
Project Test Engineer

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Test Report Revision History

Revision	Date	Revised By	Reason for Revision
1.0	December 27, 2018	Poona Saber	Original Document

ILAC / A2LA

Compliance Testing, LLC, has been accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer joint ISO-ILAC-IAF Communiqué dated January 2009)

The tests results contained within this test report all fall within our scope of accreditation, unless below

Please refer to <http://www.compliancetesting.com/labscope.html> for current scope of accreditation.

Testing Certificate Number: **2152.01**



FCC Site Reg. #349717

IC Site Reg. #2044A-2

Non-accredited tests contained in this report:

N/A

EUT Description

Model: PLT-001

Description: Precision Locator Tag

Serial Number: N/A

Firmware: 20181017.1

Software: N/A

Serial Number: N/A

Additional Information:

The PLT-001 is an optional part of the Guard1 Tracking system. The PLT-001 mounts in a single gang electrical box, usually in a wall or ceiling, typically at 15 foot intervals. The PLT-001 works in conjunction with Duress Device Models DD-005 and DD-007 to provide more precise location of people carrying the Duress Device.



Source Based Time Averaged Power Calculation

Average Power calculations

Average Power = Peak Power * duty-cycle%

Tuned Frequency (MHz)	Conducted Peak Output Power (mW)	Duty Cycle (%)	Average Power (mW)
2402	2.4	100	2.4

MPE Evaluation

This is a mobile device used in Uncontrolled Exposure environment.

Limits Uncontrolled Exposure
47 CFR 1.1310
Table 1, (B)

0.3-1.234 MHz:	Limit [mW/cm ²] = 100
1.34-30 MHz:	Limit [mW/cm ²] = (180/f ²)
30-300 MHz:	Limit [mW/cm ²] = 0.2
300-1500 MHz:	Limit [mW/cm ²] = f/1500
1500-100,000 MHz	Limit [mW/cm ²] = 1.0

Test Data

Test Frequency, MHz	2402
Power, Conducted, mW (P)	2.4
Antenna Gain Isotropic	3.76 dBi
Antenna Gain Numeric (G)	2.37
Antenna Type	Chip
Distance (R)	20 cm

$S = \frac{P * G}{4\pi r^2}$
Power Density (S) mw/cm ²

Power Density (S) = 0.0011
Limit = (from above table) = 1

END OF TEST REPORT