



## Test Report

Prepared for: Time Keeping Systems Inc.

Model: TAG-002

Description: Wearable positioning device

Serial Number: N/A

FCC ID: MTDTAG002

To

FCC Part 1.1310

Date of Issue: November 28, 2016

On the behalf of the applicant:

Time Keeping Systems Inc.  
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Attention of:

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### Test Report Revision History

<b>Revision</b>	<b>Date</b>	<b>Revised By</b>	<b>Reason for Revision</b>
1.0	June 15, 2016	Kenneth Lee	Original Document
2.0	August 15, 2016	Kenneth Lee	Updated to SAR Exclusion
3.0	November 28, 2016	Kenneth Lee	Updated Exclusion Equation



### ILAC / A2LA

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

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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:** Wearable positioning device

**Description:** TAG-002

**Firmware:** N/A

**Software:** N/A

**S/N:** N/A

**Additional Information:** None



## SAR Exclusion

The 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances*  $\leq 50$  mm are determined by:

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$  for 1-g SAR and  $\leq 7.5$  for 10-g extremity SAR,<sup>25</sup> where

- $f(\text{GHz})$  is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation<sup>26</sup>
- The result is rounded to one decimal place for comparison
- 3.0 and 7.5 are referred to as the numeric thresholds in the step 2 below

The test exclusions are applicable only when the minimum *test separation distance* is  $\leq 50$  mm and for transmission frequencies between 100 MHz and 6 GHz. When the minimum *test separation distance* is  $< 5$  mm, a distance of 5 mm according to 5) in section 4.1 is applied to determine SAR test exclusion.

Max Power in mW = 1.05 mW

Min. Test Separation Distance = 1 mm

Frequency of Operation = 2402

$$\frac{1 \text{ mW}}{5 \text{ mm}} \times [\sqrt{f(2.4)} = 0.31$$

END OF TEST REPORT