



# Compliance Testing, LLC

Previously Flom Test Lab

EMI, EMC, RF Testing Experts Since 1963

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## Test Report

Prepared for: SMK USA

Model: XY4D

**Description: This is a TAG that tracks valuables. These valuables can be items or people. It performs this by finding its location with BLE beacon. It transmits its position via BLE**

Serial Number: 8

FCC ID: 2ADLN-XY4D1

To

FCC Part 1.1310

Date of Issue: October 18, 2017

On the behalf of the applicant:

XY – The Findables Company  
1133 Columbia St.  
Suite 205  
San Diego, CA 92101

By the request of:

SMK Manufacturing, Inc.  
1055 Tierra Del Rey  
Suite H  
Chila Vista, CA 91910

Attention of:

Leon Gateno, Sr RF Engineer  
Ph: (619)216-6425  
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Prepared By  
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Project No: p1790001

**Kenneth Lee**  
Project Test Engineer

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All results contained herein relate only to the sample tested



**Test Report Revision History**

<b>Revision</b>	<b>Date</b>	<b>Revised By</b>	<b>Reason for Revision</b>
1.0	September 26, 2017	Kenneth Lee	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:** XY4D

**Description:** This is a TAG that tracks valuables. These valuables can be items or people. It performs this by finding its location with BLE beacon. It transmits its position via BLE

**Firmware:** codeless\_585

**Software:** N/A

**Serial Number:** 8

**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 = 3.95 mW  
Min. Test Separation Distance = 5 mm  
Frequency of Operation in GHz = 2.402

$$\frac{3.95 \text{ mW}}{5 \text{ mm}} \times [\sqrt{f(2.402)}] = 1.224$$

END OF TEST REPORT