

RF Exposure Evaluation Report

APPLICANT : Atomi Inc.
EQUIPMENT : Smart Vehicle Tracker 、 Universal Smart Tracker
BRAND NAME : atomi
MODEL NAME : YU2350, AT2183, AT2344, AT2178, AT2343,
AT2365
FCC ID : 2A6JY-ATYU
STANDARD : 47 CFR PART 2.1093
FCC KDB 447498 D01 v06

The product evaluation date was started from Sep. 21, 2023 and completed on Sep. 21, 2023. We, Sporton International Inc. (Kunshan), would like to declare that the device has been evaluated in accordance with 47 CFR Part 2.1093 and FCC KDB 447498 D01 v06, and pass the limit. Without written approval of Sporton International Inc. (Kunshan), the test report shall not be reproduced except in full.



Approved by: Si Zhang



Sporton International Inc. (Kunshan)

**No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300
People's Republic of China**



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**Revision History**

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FA280824-02	Rev. 01	Initial issue of report	Oct. 17, 2023



1. Administration Data

1.1. Testing Laboratory

Sporton International Inc. (Kunshan) is accredited to ISO/IEC 17025:2017 by American Association for Laboratory Accreditation with Certificate Number 5145.02.

Testing Laboratory			
Test Firm	Sporton International Inc. (Kunshan)		
Test Site Location	No. 1098, Pengxi North Road, Kunshan Economic Development Zone Jiangsu Province 215300 People's Republic of China TEL : +86-512-57900158		
Test Site No.	Sporton Site No.	FCC Designation No.	FCC Test Firm Registration No.
	SAR01-KS	CN1257	314309

Applicant	
Company Name	Atomi Inc.
Address	10 West 33 St - Suite 520 New York,10001,United States

Manufacturer	
Company Name	Atomi Inc.
Address	10 West 33 St - Suite 520 New York,10001,United States



2. Description of Equipment Under Test (EUT)

Product Feature & Specification	
EUT Type	Smart Vehicle Tracker、Universal Smart Tracker
Brand Name	atomi
Model Name	YU2350, AT2183, AT2344, AT2178, AT2343, AT2365
FCC ID	2A6JY-ATYU
Wireless Technology and Frequency Range	Bluetooth: 2402 MHz ~ 2480 MHz
Mode	Bluetooth LE
Antenna Type	Bluetooth : PCB Antenna
Antenna Gain	Bluetooth: gain 0 dBi
HW Version	V1.0.2
SW Version	V1.0.0
EUT Stage	Identical Prototype
Remark:	
1. The above EUT's information was declared by manufacturer. Please refer to the specifications or user's manual for more detailed description.	
2. This is the change FCC ID report. Since no changes have been made to this device, therefore, all the test results were leveraged from original report (FCC ID: 2A789-TTFM-10, report number FA280824).	

Comments and Explanations:
1. The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.
2. The maximum RF output tune up power, antenna gain also the safe distance used for evaluate RF exposure were declared by manufacturer.



3. Maximum RF Tune Up power among production units

<Bluetooth>

Mode	Maximum Average Power (dBm)
Bluetooth LE	4.50

4. RF Exposure Evaluation

Mode	Maximum Average Power (dBm)
Bluetooth LE	4.50

Note:

1. Per KDB 447498 D01v06 the 1-g and 10-g SAR test exclusion thresholds for 100 MHz to 6 GHz at *test separation distances* ≤ 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 ≤ 7.5 for 10-g extremity SAR

- $f(\text{GHz})$ is the RF channel transmit frequency in GHz
- Power and distance are rounded to the nearest mW and mm before calculation
- The result is rounded to one decimal place for comparison

Bluetooth Max Power (dBm)	Separation Distance (mm)	Frequency (GHz)	exclusion thresholds
4.5	< 5	2.48	0.9

Conclusion:

Per KDB 447498 D01v06, when the minimum test separation distance is < 5 mm, a distance of 5 mm is applied to determine SAR test exclusion. The test exclusion threshold is 0.8 which is ≤ 3.0 for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, 1-g SAR and extremity SAR testing is not required, and complied with Specific Absorption Rate (SAR) for general population/uncontrolled exposure limits (1.6 W/kg for 1g SAR and 4.0 W/kg for extremity SAR) specified in FCC 47 CFR part 2 (2.1093).

-----THE END-----