



TEST REPORT

For RF Expose

Report No..... : CHTW26035178

Project No : SHT2603008301W

FCC ID : **XXF-AG01**

Applicant's name : ARKNAV INTERNATIONAL, INC.

Address..... : 12 F., No. 81, Zhongcheng Rd., Tucheng Dist., New Taipei City
236658, Taiwan.

Product Name : Guardian Lite

Trade Mark..... : **iON-it**

Model No..... : AG-01

Listed Model(s) : -

Standard : **FCC Part 2 (Section 2.1093)**

Date of receipt of test sample.....: 2026/3/4

Date of testing.....: 2026/3/5- 2026/3/18

Date of issue.....: 2026/3/18

Result.....: **PASS**



CHT26035178

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Testing Laboratory Name : **Shenzhen Huatongwei International Inspection Co., Ltd.**

Address..... : Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China

Test Report Form No. : R0066

Test Report Form(s) Originator : Shenzhen Huatongwei International Inspection Co., Ltd.

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test standards

The tests were performed according to following standards:

[FCC Part 2 \(Section 2.1093\)](#)- Radiofrequency radiation exposure evaluation: portable devices.
[KDB 447498 D04 Interim General RF Exposure Guidance v01](#)- RF Exposure Procedures and Equipment Authorization Policies for Mobile and Portable Devices
[FCC Part 1 \(Section 1.1307\)](#)- Actions that may have a significant environmental effect, for which Environmental Assessments (EAs) must be prepared.

1.2. Report version information

Revision No.	Date of issue	Description
N/A	2026-03-18	Original

2. SUMMARY

2.1. Client Information

Applicant:	ARKNAV INTERNATIONAL, INC.
Address:	12 F., No. 81, Zhongcheng Rd., Tucheng Dist., New Taipei City 236658, Taiwan.
Manufacturer:	ARKNAV INTERNATIONAL, INC.
Address:	12 F., No. 81, Zhongcheng Rd., Tucheng Dist., New Taipei City 236658, Taiwan.

2.2. Product Description

Product Name:	Guardian Lite
Trade Mark:	ION-it
Model No.*:	AG-01
Listed Model(s):	-
Power supply:	DC 3.7V from Battery(st-01) or DC 12V(st-01 and AG-02)
Hardware version:	v0.3.19
Software version:	V1.3
RF Exposure Environment:	General Population/Uncontrolled

*: AG-01 is a set of equipment consisting of st-01 and AG-02.

Among them, st-01 is a Smart Tag, which has two types of PCB boards. The only difference between them is a difference in sensor components, one is G-sensor (ST) and the other is G-sensor (221).

AG-02 is a Relay Box, which is a car mounted device used in conjunction with st-01 and powered by DC 12V.

2.3. Radio Specification Description

Bluetooth	
Supported type:	☐ BR ☐ EDR ☒ LE-1Mbps ☒ LE-2Mbps

Note: Please refer to RF report for detailed technical specifications

2.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.
Laboratory Location	Building 7, Baiwang Idea Factory, No.1051, Songbai Road, Yangguang Community, Xili Subdistrict, Nanshan District, Shenzhen, Guangdong, China
Contact information:	Tel: 400-963-0755 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn

3. RF EXPOSURE

LIMIT:

KDB447498 D04 General RF Exposure Guidance v06, Clause 4.3.1(a)

$[(\text{max. power of channel, including tune-up tolerance, mW}) / (\text{min. test separation distance, mm})] \cdot [\sqrt{f(\text{GHz})}] \leq 3.0$

Where

-f(GHz) is the RF channel transmit frequency in GHz

-Power and distance are rounded to the nearest mW and mm before calculation

-The test exclusions are applicable only when the minimum test separation distance is ≤ 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 4.1 f) is applied to determine SAR test exclusion.

TEST RESULT

☒ **Passed** ☐ **Not Applicable**

Radio Type	Frequency range (MHz)	Conducted Power (dBm)	Maximum Tune-up (dBm)	Calculating data	Limit	Result
Bluetooth	2402-2480	6.72	7.0	1.55	3.00	Pass

Note:

- 1) The maximum antenna gain is 3.53dBi
- 2) This equipment complies with RF radiation exposure limits set forth for an uncontrolled environment.

4. EXTERNAL AND INTERNAL PHOTOS OF THE EUT

Reference to the test report No. CHTW26035177

-----End of Report-----