

RF EXPOSURE REPORT

FCC ID: 2AOVX-CH4

Test Report No.....: RF250729006-01-002

Product(s) Name.....: keyless transmitter

Model(s).....: R-3B, R-4B

Trade Mark.....: N/A

Applicant.....: Green Start Industries LLC

Address.....: 3305 Fairmount Ave Ocean NJ USA


Receipt Date.....: 2025.07.30

Test Date.....: 2025.08.01~2025.08.07

Issued Date.....: 2025.08.07

Standards.....: FCC Title 47 Part 1.1307
FCC Title 47 Part 2.1093
KDB 447498 D01 General RF Exposure Guidance v06

Testing Laboratory.....: Shenzhen Haiyun Standard Technical Co., Ltd.

Prepared By:	Checked By:	Approved By:	
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REPORT ISSUED HISTORY

Original Report Issue Date: 2025.08.07

- No additional attachment
- Additional attachments were issued following record

Attachment No.	Issue Date	Description

1.. TEST FACILITY

Company:	Shenzhen Haiyun Standard Technical Co., Ltd.
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CNAS Registration Number:	CNAS L18252
CAB identifier:	CN0145
Company Number	30427
A2LA Certificate Number:	6823.01
Telephone:	0755-26024411

2.. MPE CALCULATION METHOD

According to KDB447498D01 General RF Exposure Guidance v06

Standalone SAR test exclusion considerations

Unless specifically required by the published RF exposure KDB procedures, standalone 1-g head or body and 10-g extremity SAR evaluation for general population exposure conditions, by measurement or numerical simulation, is not required when the corresponding SAR Exclusion Threshold condition, listed below, is satisfied.

Limits

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:

$[(\text{max. power of channel, including tune-up tolerance, mW})/(\text{min, test separation distance, mm})]^* [f^{1/2}(\text{GHz})] \leq 3.0$ for 1-g SAR and ≤ 7.5 for 10-g extremity SAR, where

$f(\text{GHz})$ is the RF channel transmit frequency in GHz

Power and distance are rounded to the nearest mW and mm before calculation¹⁷

The result is rounded to one decimal place for comparison

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 is applied to determine SAR test exclusion

Calculation Method of RF Safety Distance:

$$S = \frac{PG}{4\pi r^2} = \frac{EIRP}{4\pi r^2}$$

where:

S = power density

P = power input to the antenna

G = power gain of the antenna in the direction of interest relative to an isotropic radiator

R = distance to the center of radiation of the antenna

Table for Filed Antenna

For 315MHz SRD

Ant.	Brand	Antenna Type	Connector	Gain (dBi)
1	N/A	PCB antenna	N/A	-11.25

Note:

1. The antenna gain is provided by the manufacturer.

3.. TEST RESULTS

For worst case:

The highest EIRP adjusted with tune-up tolerance is $60.73-95.20 = -34.47\text{dBm} = 0.0004\text{ mW} < 26.7\text{ mW}$. Therefore, the SAR requirement is deemed to be satisfied without test.

Evaluation of compliance with the exposure limits in S 1.1310 of this chapter, and preparation of an EA if the limits are exceeded, is necessary for portable devices having single RF sources with more than an available maximum time-averaged power of 1 mW. more than the ERP listed in Table 1 to S 1.1307(b)(3)(i)(C), or more than the P_m in the following formula, whichever is greater. The following formula shall only be used in conjunction with portable devices not exempt by S 1.1307(b)(3)(i)(C) at distances from 0.5centimeters to 20 centimeters and frequencies from 0.3 GHz to 6 GHz.

$$P_{th} \text{ (mW)} = \begin{cases} ERP_{20\text{ cm}} (d/20\text{ cm})^x & d \leq 20\text{ cm} \\ ERP_{20\text{ cm}} & 20\text{ cm} < d \leq 40\text{ cm} \end{cases}$$

Where

$$x = -\log_{10} \left(\frac{60}{ERP_{20\text{ cm}} \sqrt{f}} \right) \text{ and } f \text{ is in GHz;}$$

$$ERP_{20\text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3\text{ GHz} \leq f < 1.5\text{ GHz} \\ 3060 & 1.5\text{ GHz} \leq f \leq 6\text{ GHz} \end{cases}$$

Note: Output power including tune up tolerance.

➤ Conclusion

Result: Complies.

Statement

1. The report is invalid without the official seal or special seal of Shenzhen Haiyun Standard Technical Co., Ltd. (hereinafter referred to as the unit).
2. The report is invalid without the signature of the approver.
3. The report is invalid if altered arbitrarily.
4. The report shall not be partially copied without the written approval of the unit.
5. The reported test results are only valid for the tested samples.
6. If there is any objection to the test report, it shall be submitted to the test unit within 15 days from the date of receiving the report, and the overdue shall not be accepted.

Shenzhen Haiyun Standard Technical Co., Ltd.

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End of Test Report