

RF Exposure Evaluation Report

Product : Floor Rising Screen Remote Control
Trade mark : AWOL VISION
Model/Type reference : FRSRC01
Serial Number : N/A
Report Number : EED32P80965802
FCC ID : 2BF6V-FRSRC01
Date of Issue : Jul. 25, 2024
Test Standards : 47 CFR Part 1.1307
47 CFR Part 1.1310
47 CFR Part 2.1091
47 CFR Part 2.1093
447498 D04 Interim General RF Exposure
Guidance v01
Test result : PASS

Prepared for:

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Prepared by:

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Contents

	Page
CONTENTS	2
1 GENERAL INFORMATION	3
1.1 CLIENT INFORMATION	3
1.2 GENERAL DESCRIPTION OF EUT	3
1.3 PRODUCT SPECIFICATION SUBJECTIVE TO THIS STANDARD	3
1.4 TEST LOCATION	4
1.5 DEVIATION FROM STANDARDS	4
1.6 ABNORMALITIES FROM STANDARD CONDITIONS	4
1.7 OTHER INFORMATION REQUESTED BY THE CUSTOMER	4
2 SAR EVALUATION	5
2.1 RF EXPOSURE COMPLIANCE REQUIREMENT	5
2.1.1 Limits	5
2.1.2 Test Procedure	5
2.1.3 EUT RF Exposure Evaluation	6

1 General Information

1.1 Client Information

Applicant:	Safe Space Scan Technology LLC
Address of Applicant:	9169 W Atlantic Ave Suite 118, Delray Beach, FL 33446, USA.
Manufacturer:	Shenzhen WeProTalk Technology Co., Ltd.
Address of Manufacturer:	Yihua Financial Technology Building, Room 2501, 3939 Baishi Road, Binhai Community, Yuehai Street, Nanshan District, Shenzhen City.
Factory:	Shenzhen WeProTalk Technology Co., Ltd.
Address of Factory:	Yihua Financial Technology Building, Room 2501, 3939 Baishi Road, Binhai Community, Yuehai Street, Nanshan District, Shenzhen City.

1.2 General Description of EUT

Product Name:	Floor Rising Screen Remote Control
Model No.(EUT):	FRSRC01
Trade Mark:	AWOL VISION

1.3 Product Specification subjective to this standard

Operation Frequency:	868.35MHz
Modulation Type:	FSK
Antenna Type:	PCB antenna
Power Supply:	Battery DC 3.0V
Sample Received Date:	Jun. 28, 2024
Sample tested Date:	Jun. 28, 2024 to Jul. 12, 2024
Remark:	Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

1.4 Test Location

All tests were performed at:

Centre Testing International Group Co., Ltd

Building C, Hongwei Industrial Park Block 70, Bao'an District, Shenzhen, China

Telephone: +86 (0) 755 33683668 Fax: +86 (0) 755 33683385

No tests were sub-contracted.

FCC Designation No.: CN1164

1.5 Deviation from Standards

None.

1.6 Abnormalities from Standard Conditions

None.

1.7 Other Information Requested by the Customer

None.

2 SAR Evaluation

2.1 RF Exposure Compliance Requirement

2.1.1 Limits

The SAR-based exemption formula of § 1.1307(b)(3)(i)(B), repeated here as Formula (B.2), applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power or effective radiated power (ERP), whichever is greater, of less than or equal to the threshold P_{th} (mW).

This method shall only be used at separation distances from 0.5 cm to 40 cm and at frequencies from 0.3 GHz to 6 GHz (inclusive). P_{th} is given by Formula

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

where

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

and f is in GHz, d is the separation distance (cm), and $ERP_{20 \text{ cm}}$ is per Formula (B.1).

$$P_{th} \text{ (mW)} = ERP_{20 \text{ cm}} \text{ (mW)} = \begin{cases} 2040f & 0.3 \text{ GHz} \leq f < 1.5 \text{ GHz} \\ 3060 & 1.5 \text{ GHz} \leq f \leq 6 \text{ GHz} \end{cases} \quad (\text{B.1})$$

The 1 mW Blanket Exemption of § 1.1307(b)(3)(i)(A) applies for single fixed, mobile, and portable RF sources with available maximum time-averaged power of no more than 1 mW, regardless of separation distance.

2.1.2 Test Procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

2.1.3 EUT RF Exposure Evaluation**For Stand alone:****For 868.35MHz:**

Frequency (MHz)	Field strength of the fundamental signal (dBuV/m@3m)	ERP (dBm)	ERP (mW)	Limit (mW)	Result
868.35	71.86	-25.52	0.0028	6.981	PASS

Note:

- ①EIRP=conducted power+antenna gain;
- ②ERP=EIRP-2.15;
- ③EIRP(dBm) = Field strength of the fundamental signal(dBuV/m@3m) – 95.23;
- ④ERP(mW) = $10^{(ERP \text{ (dBm)}/10)}$;
- ⑤The estimation distance is 0.5cm;
- ⑥The test data please refer to the report of EED32P80965801 and only the worst case data was recorded in the report.

The test report is effective only with both signature and specialized stamp, The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.

*** End of Report ***