



# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

SZEMC-TRF-01 Rev. A/0 Aug01,2022

Report No.: SZCR230500167603

Page: 1 of 7

## RF Exposure Evaluation Report

**Application No.:** SZCR2305001676AT  
**Applicant:** VESTERGAARD A/S  
**Address of Applicant:** JEGINDOEVEJ 21 8800 VIBORG DENMARK  
**Manufacturer:** VESTERGAARD A/S  
**Address of Manufacturer:** JEGINDOEVEJ 21 8800 VIBORG DENMARK  
**Equipment Under Test (EUT):**  
**EUT Name:** REMOTE CONTROL CAR SERIES  
**Model No.:** UJ99-P220, UJ99-P221, UJ99-P222, UJ99-P223, UJ99-Y240, UJ99-Y241, UJ99-Y242, UJ99-Y243, UJ99-T200, UJ99-T201, UJ99-T202, UJ99-T203, UJ99-F160, UJ99-F161, UJ99-F162, UJ99-F163, UJ99-F120, UJ99-F121, UJ99-F122, UJ99-F123 \*  
 \* Please refer to section 3 of this report which indicates which model was actually tested and which were electrically identical.  
**Standards:** EN 62479:2010  
**Date of Receipt:** 2023-04-23 for original report SZCR230400117603)  
**Date of Test:** 2023-04-25 to 2023-05-05 for original report SZCR230400117603)  
**Date of Issue:** 2023-05-08(for original report SZCR230400117603)  
 2023-05-30(for new report SZCR230500167603)

|                     |               |
|---------------------|---------------|
| <b>Test Result:</b> | <b>Pass *</b> |
|---------------------|---------------|

\* In the configuration tested, the EUT detailed in this report complied with the standards specified above.

Keny Xu  
EMC Laboratory Manager



SGS-CSTC Standards Technical Services Co., Ltd.  
Shenzhen Branch EMC Laboratory

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| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2023-05-30 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

| Authorized for issue by: |                            |  |  |
|--------------------------|----------------------------|--|--|
|                          | Gebin Sun                  |  |  |
|                          | Gebin Sun/Project Engineer |  |  |
|                          | Eric Fu                    |  |  |
|                          | Eric Fu/Reviewer           |  |  |



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### 3 General Information of EUT

|                      |  |
|----------------------|--|
| Power supply:        | 3V DC(1.5V x 2 "AA" Size Batteries) for TX<br>4.5V DC(1.5V x 3 "AA" Size Batteries) for RX |
| Operation Frequency: | 27.145MHz  |
| Sample Type:         | Portable production  |
| Antenna Type:        | Integral   |
| Antenna Gain:        | 0dBi   |
| Receiver category:   | 2  |
| EIRP:                | -29.21dBm(0.001mW)*  |
| *                    | The EIRP data refer to the report SZCR230500167602   |

Remark: The information in this section is provided by the applicant or manufacturer, SGS is not liable to the accuracy, suitability, reliability or/and integrity of the information.

**Remark:**

Model No: UJ99-P220, UJ99-P221, UJ99-P222, UJ99-P223, UJ99-Y240, UJ99-Y241, UJ99-Y242, UJ99-Y243, UJ99-T200, UJ99-T201, UJ99-T202, UJ99-T203, UJ99-F160, UJ99-F161, UJ99-F162, UJ99-F163, UJ99-F120, UJ99-F121, UJ99-F122, UJ99-F123

The model UJ99-P220 was only tested in original report SZCR230400117603.

Since according to the declaration from the applicant, the electrical circuit design, PCB layout, components used and internal wiring and functions were identical for the above models, with only difference on color, appearance and package.

This report was an additional report copied from the report SZCR230400117603, just changed the information of applicant, manufacturer.

Therefore original data were kept in this report.



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### 3.1 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen Branch

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Telephone: +86 (0) 755 2601 2053 Fax: +86 (0) 755 2671 0594

No tests were sub-contracted.

### 3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

• **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

• **VCCI (Member No. 1937)**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen EMC laboratory have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

• **FCC –Designation Number: CN1336**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1336. Test Firm Registration Number: 787754.

• **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

### 3.3 Deviation from Standards

None.

### 3.4 Abnormalities from Standard Conditions

None.

### 3.5 Other Information Requested by the Customer

None.





## 4 EN 62479 REQUIREMENT

### 4.1 General Description of Applied Standards

Assessment of the compliance of low power electronic and electrical equipment with the basic restrictions related to human exposure to electromagnetic fields (10 MHz to 300 GHz)

### 4.2 Human exposure to the Electromagnetic fields

This International Standard provides simple conformity assessment methods for low-power electronic and electrical equipment to an exposure limit relevant to electromagnetic fields (EMF). If such equipment cannot be shown to comply with the applicable EMF exposure requirements using the methods included in this standard for EMF assessment, then other standards, including IEC 62311 or other (EMF) product standards, may be used for conformity assessment.

### 4.3 RF Exposure Evaluation

#### 4.3.1 Limit

According to EN 62479 clause 4.2 Low-power electronic and electrical equipment is deemed to comply with the provisions of this standard if it can be demonstrated using routes B, C or D that the available antenna power and/or the average total radiated power is less than or equal to the applicable low-power exclusion level Pmax.

P max = 20 mW (13 dBm) according to ICNIRP guidelines, since the EUT is General public used.

#### Remark:

B: The input power level to electrical or electronic components that are capable of radiating electromagnetic energy in the relevant frequency range is so low that the available antenna power and/or the average total radiated power cannot exceed the low-power exclusion level defined in EN 62479 clause 4.2

C: The available antenna power and/or the average total radiated power are limited by product standards for transmitters to levels below the low-power exclusion level defined in EN 62479 clause 4.2

D: Measurements or calculations show that the available antenna power and/or the average total radiated power are below the low-power exclusion level defined in EN 62479 clauses 4.2.

#### 4.3.2 Test Result

The EIRP of the EUT is -29.21dBm(0.001mW) which is below the max permitted sending level of 20 mW, and then the EUT is deemed to comply with the RF exposure requirement.



### 5 EUT Photos

Refer to Appendix A - Photographs of EUT Constructional Details for SZCR2305001676AT

- End of the Report -



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