



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

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

Report No.: SZCR240100025703

Page: 1 of 7

RF Exposure Evaluation Report

Application No.: SZCR2401000257AT

Applicant: Shantou City Youjie Technology Co., Ltd.

Address of Applicant: Shangxindong Road, Shangcun, Lianxia Town, Chenghai District, Shantou City

Manufacturer: Shantou City Youjie Technology Co., Ltd.

Address of Manufacturer: Shangxindong Road, Shangcun, Lianxia Town, Chenghai District, Shantou City

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, UJ99-Y200, UJ99-Y201, UJ99-Y202, UJ99-Y203 ♣

♣ 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)
2024-01-22 (for new report SZCR240100025703)

Test Result:	Pass *
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* 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		2024-01-22		Original

Authorized for issue by:			
		Martin Tang	
		Martin Tang/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 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 SZCR240100025702

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.

Declaration of EUT Family Grouping:

Original model No. in report SZCR230400117603: 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

Only the model UJ99-P220 was 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.

New model No. in report SZCR240100025703: 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, UJ99-Y200, UJ99-Y201, UJ99-Y202, UJ99-Y203

This report was an additional report copied from the report SZCR230400117603, just added the model No. and photo. Since the electrical circuit design, layout, components used and internal wiring for the models in the original report SZCR230400117603 were exactly the same as the models in this report, only different on model No., color, appearance and package.

Therefore original data were kept in this report.



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3.1 Test Location

All tests were performed at:

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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.



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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 SZCR2401000257AT

- End of the Report -



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