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

No. 1 Workshop, M-10, Middle section, Science & Technology Park,
Shenzhen, Guangdong, China 518057

Telephone: +86 (0) 755 2601 2053
Fax: +86 (0) 755 2671 0594
Email: ee.shenzhen@sgs.com

RF Exposure Evaluation Report

Application No.:	SZEM1707007840CR
Applicant:	WL Intelligent Technology Co., Ltd
Address of Applicant:	D Zone, XieHe Industrial Park, LaiMei Road, ChengHai District, Shantou City, GuangDong Province, China (Mainland)
Manufacturer/ Factory:	WL Intelligent Technology Co., Ltd
Address of Manufacturer/ Factory:	D Zone, XieHe Industrial Park, LaiMei Road, ChengHai District, Shantou City, GuangDong Province, China (Mainland)
Equipment Under Test (EUT):	
EUT Name:	R/C CAR SERIES
Model No.:	Please refer to section 2 ♣
♣	Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.
Standards:	EN 62479:2010
Date of Receipt:	2017-07-25
Date of Test:	2017-07-29 to 2017-08-07
Date of Issue:	2017-08-10
Test Result :	**Pass***

* In the configuration tested, the EUT complied with the standards specified above.

The CE mark as shown below can be used, under the responsibility of the manufacturer, after completion of an EU Declaration of Conformity and compliance with all relevant EU Directives.

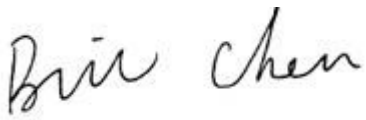
Authorized Signature:

Jack Zhang
EMC Laboratory Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.
If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards. Any mention of SGS International Electrical Approvals or testing done by SGS International Electrical Approvals in connection with, distribution or use of the product described in this report must be approved by SGS International Electrical Approvals in writing.

Revision Record				
Version	**Chapter**	**Date**	**Modifier**	**Remark**
01		2017-08-10		Original

Authorized for issue by:



Bill Chen /Project Engineer

Eric Fu /Reviewer

2 CONTENTS

3 General Information of EUT

Product Name:	R/C CAR SERIES
Model No.:	A979-A
Operation frequency:	2405MHz-2475MHz
Channel number:	71
Modulation type:	GFSK
Channel separation:	1MHz
Antenna type:	Integral antenna
Antenna gain:	0dBi
Power supply:	Tx: DC 6V by 1.5V x 4"AA" batteries RX: Rechargeable battery DC 6.4V 750mAh
EIRP:	-11.20dBm(0.08mW)*
*	The EIRP data refer to the report SZEM170700784002.

Model No.: A979-A, A959-A, A969-A, L929, L939, L949, L959, L969, L979, L989, L999, L212, L202, L222, L959-A, L969-A, L979-A, L303, L313, L323, L333, L343, L353, L363, L373, L383, L393, K929, K929-A, K939, K949, K959, K959-A, K969, K979, K989, K999, 2307, 2306, 2308, 2019, 5010, 6063, P929, P939, P949, P959, P969, P979, P989, P999, A202, A212, A222, A232, A242, A252, A262, A303, A313, A333, A323, A343, A353, A363, A373, A383, A393, 12401, 12402, 12403, 12404, 12408, 12409, 18427, 18429, 18628, 18629, 18428, 18428-A

Only the model A979-A was tested, since the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, with only difference on model name.

3.1 Test Location

All tests were performed at:

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

No. 1 Workshop, M-10, Middle section, Science & Technology Park, Shenzhen, Guangdong, China 518057

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:

• **CNAS (No. CNAS L2929)**

CNAS has accredited SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration Laboratories (CNAS-CL01 Accreditation Criteria for the Competence of Testing and Calibration Laboratories) for the competence in the field of testing.

• **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**

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-823, R-4188, T-1153 and C-2383 respectively.

• **FCC –Designation Number: CN1178**

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

Designation Number: CN1178. Test Firm Registration Number: 406779.

• **Industry Canada (IC)**

Two 3m Semi-anechoic chambers and the 10m Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch EMC Lab have been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620C-1, 4620C-2, 4620C-3.

3.3 Deviation from Standards

None.

3.4 Abnormalities from Standard Conditions

None.

3.5 Other Information Requested by the Customer

None.

4 Equipment List

RF conducted test						
Item	**Test Equipment**	**Manufacturer**	**Model No.**	**Inventory No.**	**Cal. Date (yyyy-mm-dd)**	**Cal. Due date (yyyy-mm-dd)**
1	Temperature Chamber	GuangZhou GongWen	GDJW-100	SEM002-02	2017-07-18	2018-07-18
2	DC Power Supply	ZhaoXin	RXN-305D	SEM011-02	2016-10-09	2017-10-09
3	Spectrum Analyzer	Rohde & Schwarz	FSP	SEM004-06	2016-10-09	2017-10-09
4	Barometer	ChangChun	DYM3	SEM002-01	2017-04-18	2018-04-18
5	Signal Generator	Rohde & Schwarz	SML03	SEM006-02	2017-04-14	2018-04-14
6	Band filter	Amindeon	Asi 3314	SEM023-01	N/A	N/A
7	Power Meter	Rohde & Schwarz	NRVS	SEM014-02	2016-10-09	2017-10-09
8	NOISE GENERATOR	Beijin Daming Jidian	DM1660	EMC0047	2016-08-21	2017-08-21

5 EN 62479 REQUIREMENT

5.1 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)

5.2 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.

5.3 RF Exposure Evaluation

5.3.1 Limit

According to EN 62479 clause 4.2 Low-power electronic and electrical equipment is deemed to comply with the provisions of thisstandard if it can be demonstrated using routes B, C or D that the available antenna powerand/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.

5.3.2 Test Result

The EIRP of the EUT is -11.25dBm(0.08mW) which is below the max permitted sending level of 20 mW, and then the EUT is not need to conduct SAR measurement.

6 EUT Photos

Refer to Appendix A - Photographs of EUT Constructional Details for SZEM1707007840CR.