

MAY CHEONG TOY PRODUCTS FTY., LTD

TEST REPORT

SCOPE OF WORK

SAR ASSESSMENT-97126

REPORT NUMBER

SZHH01137922-002S2

ISSUE DATE

9 APRIL 2018

[REVISED DATE]

16 MARCH 2020

PAGES

11

DOCUMENT CONTROL NUMBER

EN 62479_b
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TEST REPORT

Applicant: MAY CHEONG TOY PRODUCTS FTY.,
LTD
UNIT 901-2, 9/F., EAST OCEAN CENTRE,
98 GRANVILLE ROAD, TSIMSHATSUI
EAST, KOWLOON, HONG KONG

Intertek Report No. : SZHH01137922-002S2

Date: 16 March 2020

Sample Description

Product : 1:14 R/C,Asst
Additional Names : See Page 2
Model No. : 81240(12049/12119/81241)
Additional Models : See Page 2
Brand Name : Maisto
Electrical Rating : Controller Unit: DC 3.0V (2 x 1.5V AAA batteries) and DC 3.0V (2 x 1.5V AA batteries)
Car Unit: DC 9.0V (6 x 1.5V AA batteries)
Date Received : 11 May 2017
Date Test Conducted : 11 May 2017 to 21 May 2017
Test Requested : Test for compliance with EN 62479: 2010
Test Method : EN 62479: 2010
Test Result : See the attached sheets
Conclusion : The submitted samples Complied with the above safety standard. But the note should be noted.

***** End of Page *****

Remark: This report bases on the previous report with report No. SZHH01137922-002S1 dated 9 April 2018. Only update issue date, don't test after engineer evaluate.

Prepared and Checked By:

Approved By:

Sign On File
Terry Tang
Senior Engineer

Jimmy Wen
Assistant Manager
Date: 16 March 2020

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Test Results:

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EN 62479: 2010

<u>Clause</u>	<u>Title/Description</u>	<u>Result</u>
1	Scope	
2	Normative references	--
3	Terms and definitions	--
4	Compliance criteria	Complied (See Note)
5	Assessment report	--

The additional names: 1:10 Radio Control Vehicle Collection, Assorted, Sand Runner R/C, Asst, Radio Control Vehicle R/C Rock Crawler, Assorted, Radio Control Vehicle R/C Rock Crawler Extreme, RC Rock Crawler Extreme without battery in FFP packaging, R/C Rock Crawler 6x6, 1:16 Rock Crawler Extreme R/C, Radio Control Vehicle Rock Crawler & Rock Crawler Extreme, Asst, Rock Crawler in mailer box pack, Rock Crawler Extreme in mailer box pack, Rock Crawler Ford Raptor are the same as 1:14 R/C, Asst in hardware aspect except the different appearance.

The models: 81240, 81019, 81203, 81152, 81156, 83156, 81158, 81325, 81781, 83022, 81164, 83016, 83017(10099, 09078, 16950); 81323, 83233(15005); 81341, 81342, 81343, 81344, 81345, 81346, 81347, 81348, 81349 are package numbers. The model: 81240 include a transmitter and a receiver, the transmitter model number is 12049 or 12119, receiver model number is 81241, the additional receiver models: 81242, 81243, 81244, 81245, 81246, 81247, 81248, 81249, 81271, 81272, 81273, 81274, 81021, 81022, 81024, 81026, 81028, 81031, 81032, 81041, 81042, 81044, 81045, 81275, 81276 are same as the model: 81241 in hardware and electrical aspect. Theirs difference in the appearance and model number.

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Note:

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- (1) When determining the test conclusion, the Measurement Uncertainty of test has been considered.
- (2) Conformity assessment method refers to clause 4.2 of EN 62479: 2010, and compares with the Low-power exclusion level stated in Annex A of EN 62479: 2010. When SAR is the basic restriction, a conservative minimum value for Pmax can be derived, equal to the localized SAR limit (SAR_{max}) multiplied by the averaging mass (m):

$$P_{max} = SAR_{max} m \quad (A.1)$$

Example values of Pmax according to Equation (A.1) are provided in Table A.1 for cases described by the ICNIRP guidelines [1], IEEE Std C95.1-1999 [2] and IEEE Std C95.1-2005 [3] where SAR limits are defined. Other exposure guidelines or standards may be applicable depending on national regulations.

Example values of SAR-based Pmax for some cases described by ICNIRP, IEEE Std C95.1-1999 and IEEE Std C95.1-2005

Guideline / Standard	SAR limit, SAR _{max} W/kg	Averaging mass, m g	P _{max} mW	Exposure tier (a)	Region of body (a)
ICNIRP [1]	2	10	20	General public	Head and trunk
	4	10	40	General public	Limbs
	10	10	100	Occupational	Head and trunk
	20	10	200	Occupational	Limbs
IEEE Std C95.1-1999 [2]	1,6	1	1,6	Uncontrolled environment	Head, trunk, arms, legs
	4	10	40	Uncontrolled environment	Hands, wrists, feet and ankles
	8	1	8	Controlled environment	Head, trunk, arms, legs
	20	10	200	Controlled environment	Hands, wrists, feet and ankles
IEEE Std C95.1-2005 [3]	2	10	20	Action level	Body except extremities and pinnae
	4	10	40	Action level	Extremities and pinnae
	10	10	100	Controlled environment	Body except extremities and pinnae
	20	10	200	Controlled environment	Extremities and pinnae
(a) Consult the appropriate standard for more information and definitions of terms.					

EN62479 Compliance of the RF Transmitter (1:14 R/C,Asst used in General public) bases on test against standard ETSI EN 300 220-2: V3.1.1 (2017-02) (Report No.: SZHH01137922-002S1), the model 12049 measured maximum E.I.R.P.= -16.9dBm = 0.0204mW in 27.144MHz and the model 12119 measured maximum E.I.R.P.= -18.5dBm = 0.0141mW in 27.143MHz, they are less than the RF Exposure limit 20mW.

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APPENDIX:

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EUT Photo:

External Photo



External Photo



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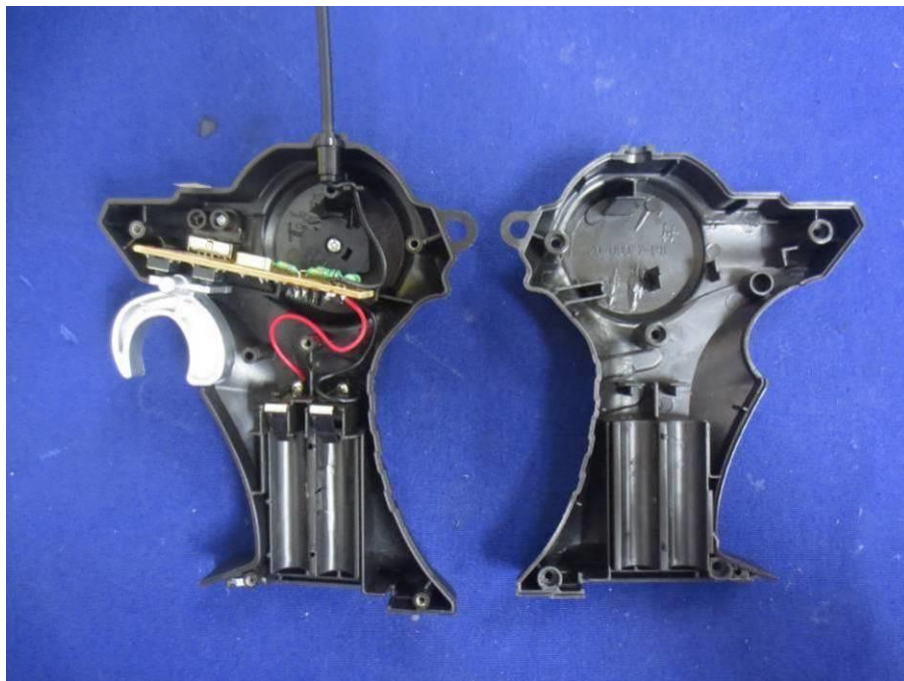
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EUT Photo:

Internal Photo(TX Mode: 12049)



Internal Photo



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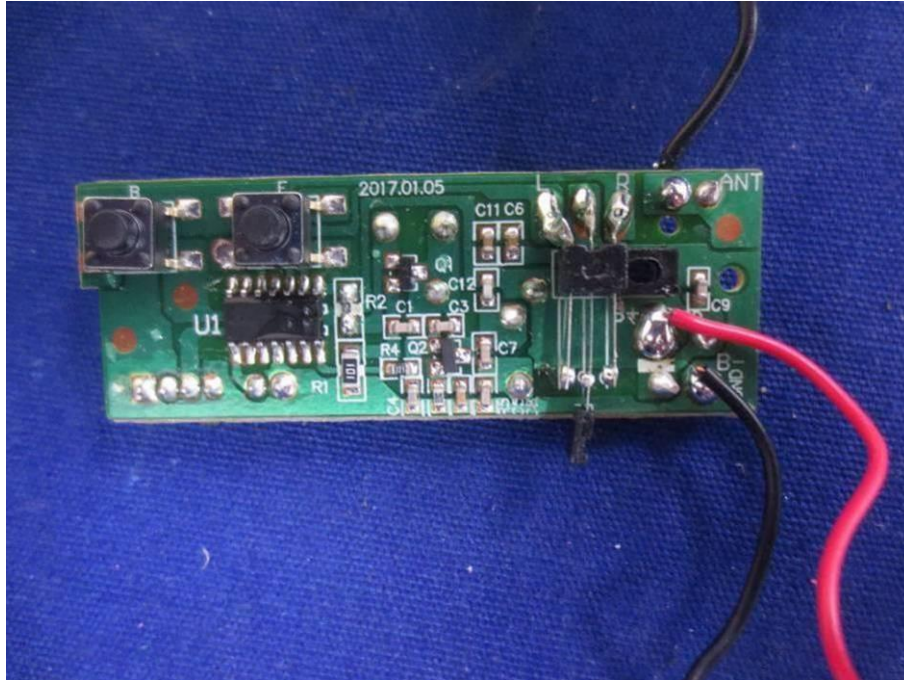
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EUT Photo:

Internal Photo(TX Mode: 12049)



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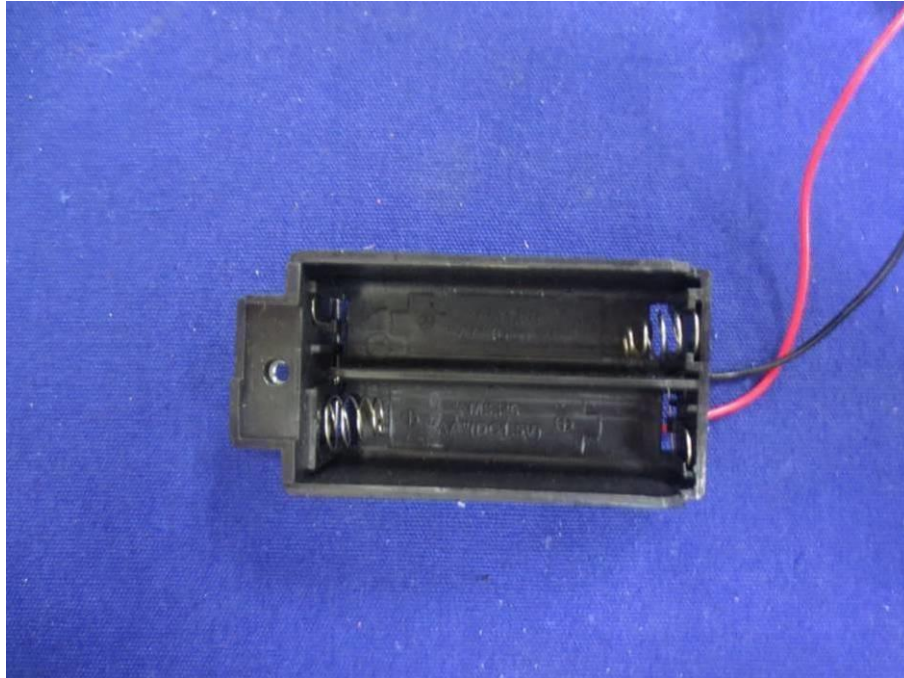
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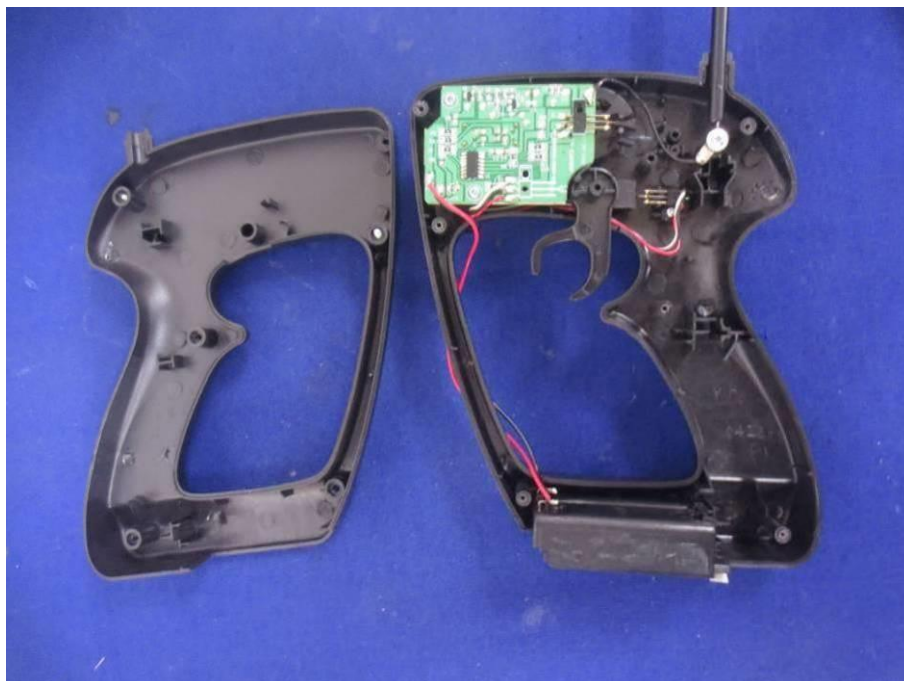
Intertek Report No. : SZHH01137922-002S2

EUT Photo:

Internal Photo(TX Mode: 12119)



Internal Photo



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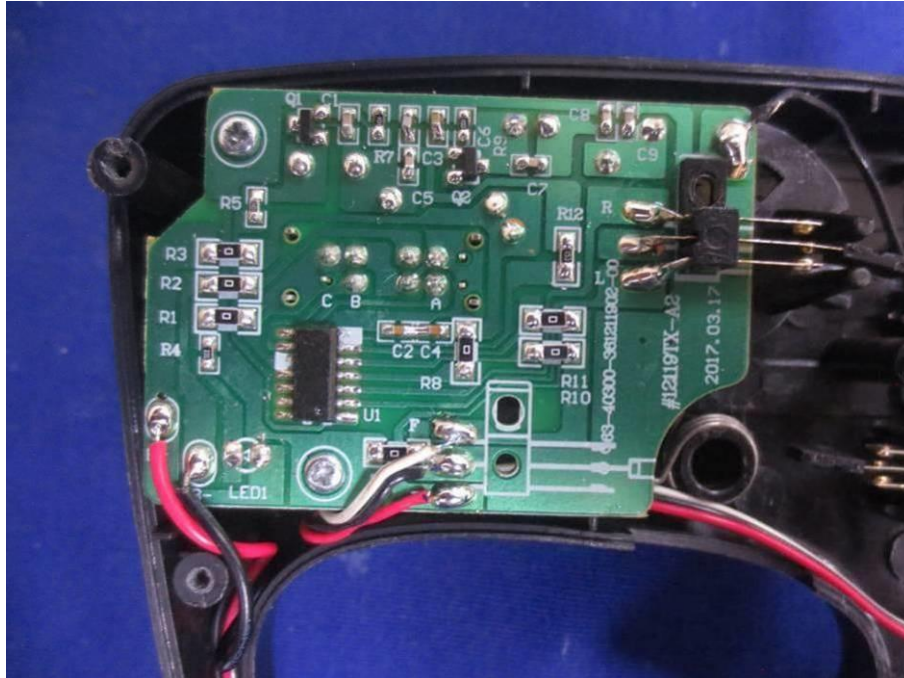
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EUT Photo:

Internal Photo(TX Mode: 12119)



Internal Photo



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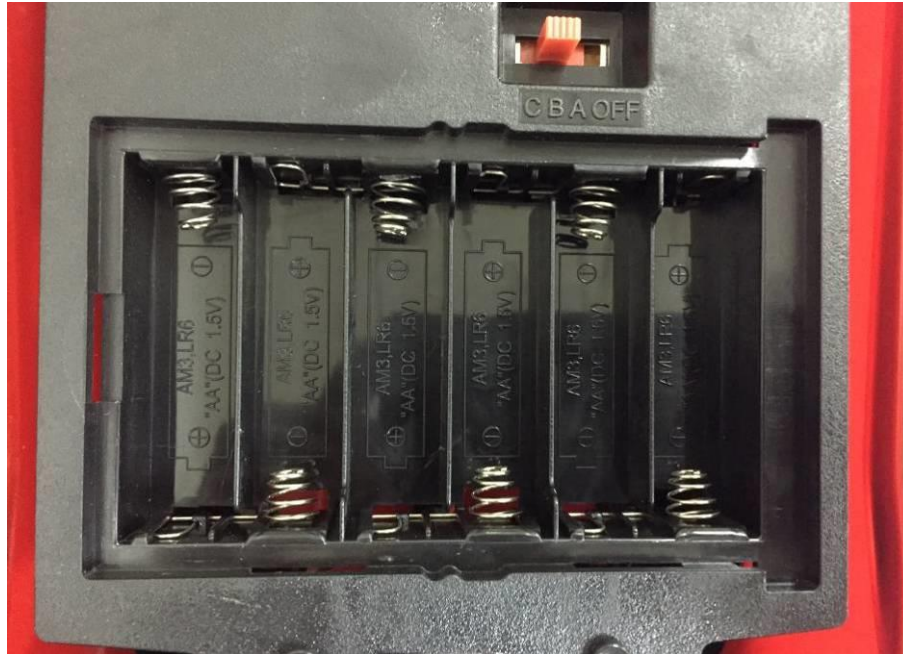
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EUT Photo:

Internal Photo



Internal Photo



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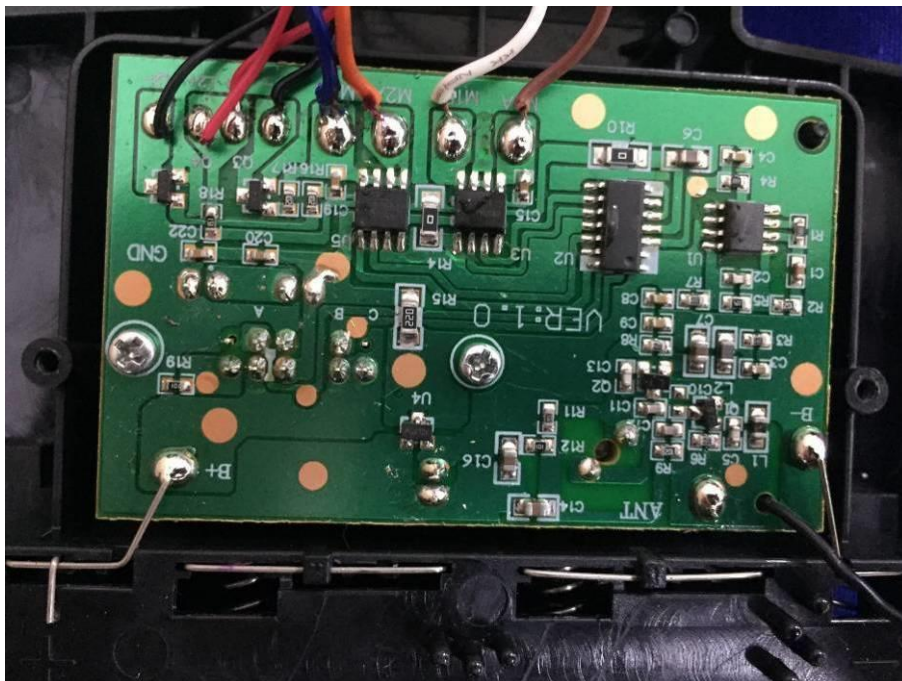
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APPENDIX:

Intertek Report No. : SZHH01137922-002S2

EUT Photo:

Internal Photo



Internal Photo



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APPENDIX:

Intertek Report No. : SZHH01137922-002S2

EUT Photo:

Internal Photo



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