

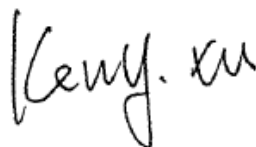
TEST REPORT

Application No.: SZEM2308005639ET (SGS SZ NO.: T52310310120EM)
Applicant: HAPE INTERNATIONAL (NINGBO) LTD
Address of Applicant: 9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO CHINA PC:315800
Supplier: HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD
Equipment Under Test (EUT):
EUT Name: Modern Smart Kitchen / Light & Sound Play Kitchen / Super Serve Kitchen Playset / Kitchen with Light and Sound / Kitchen with Light and Sound / White Kitchen with sound / Light & Sound Kitchen / Kitchen furniture / Modern Kitchen with Light & Sound
Item No.: E3216, E3216A, 354172, E3212, E3212A, E3211, E3211A, 354172, E3166, E3166A, E3166B, E3166, E3166C, E8724, E8724A, E8710, E8710A, E3900, E3900A, E3213, E3213A ♣
♣ Please refer to section 2 of this report Phantom indicates which item was actually tested and which were electrically identical.
Requested Age Grading: 3-8Y
Country of Origin: CHINA
Country of Destination: US/CA
Standard(s) : 47 CFR Part 15, Subpart B
Date of Receipt: 2023-08-23
Date of Test: 2023-08-24
Date of Issue: 2023-08-30

Test Result:	Pass*
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* In the configuration tested, the EUT complied with the standards specified above.

* In the configuration tested, the EUT also complied with the Canadian standards (ICES-003:Issue 7 October 2020)



Keny Xu
EMC Laboratory Manager



Revision Record				
Version	Chapter	Date	Modifier	Remark
01		2023-08-30		Original

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



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2 Test Summary

Emission Part				
Item	Standard	Method	Requirement	Result
Radiated Emissions (30MHz-1GHz)	47 CFR Part 15, Subpart B	ANSI C63.4:2014	15.109(a);Class B	Pass

Declaration of EUT Family Grouping:

Item No.: E3216, E3216A, 354172, E3212, E3212A, E3211, E3211A, 354172, E3166, E3166A, E3166B, E3166, E3166C, E8724, E8724A, E8710, E8710A, E3900, E3900A, E3213, E3213A

Only the item E3216 was tested, since according to the declaration from the applicant, the electrical circuitry design, PCB layout, components used and internal wiring and functions were identical for the above items, with only difference on item No.



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4 General Information

4.1 Details of E.U.T.

Power supply:	4.5V DC(1.5V x 3 "AAA" Size Batteries) 3V DC(1.5V x 2 "AA" Size Batteries)
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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.

4.2 Description of Support Units

Description	Manufacturer	Model No.	Serial No.
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The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

Test Item	Measurement Uncertainty
Radiated Emissions (30MHz-1GHz)	± 6.0dB for 3m; ± 5.0dB for 10m

Remark:

The U_{lab} (lab Uncertainty) is less than $U_{CISPR/ETSI}$ (CISPR/ETSI Uncertainty), so the test results

- compliance is deemed to occur if no measured disturbance level exceeds the disturbance limit;
- non-compliance is deemed to occur if any measured disturbance level exceeds the disturbance limit.



4.4 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, Nanshan District, Shenzhen, Guangdong, China. 518057.

Tel: +86 755 2601 2053 Fax: +86 755 2671 0594

No tests were sub-contracted.

4.5 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.

4.6 Deviation from Standards

None

4.7 Abnormalities from Standard Conditions

None



5 Equipment List

Radiated Emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
3m Semi-Anechoic Chamber	ETS-LINDGREN	N/A	SEM001-01	2023-06-19	2026-06-18
MXE EMI Receiver	Agilent Technologies	N9038A	SEM004-15	2022-10-20	2023-10-19
BiConiLog Antenna	ETS-LINDGREN	3142C	SEM003-01	2021-09-17	2023-09-16
Pre-Amplifier	Agilent Technologies	8447D	SEM005-01	2023-03-20	2024-03-19
Measurement Software	AUDIX	e3 V8.2014-6-27	N/A	N/A	N/A
Coaxial Cable	SGS	N/A	SEM025-01	2023-07-07	2024-07-06

General used equipment					
Equipment	Manufacturer	Model No.	Inventory No.	Cal Date	Cal Due Date
Humidity/ Temperature Indicator	Mingle	N/A	SEM002-08	2022-09-04	2023-09-03
Humidity/ Temperature Indicator	Anymetre	TH101B	SEM002-09	2022-09-04	2023-09-03
Barometer	Changchun Meteorological Industry Factory	DYM3	SEM002-01	2023-03-23	2024-03-22



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6 Emission Test Results

6.1 Radiated Emissions (30MHz-1GHz)

Test Requirement: 47 CFR Part 15, Subpart B

Test Method: ANSI C63.4:2014

Measurement Distance: 3m

Limit:

FREQUENCY (MHz)	dBµV/m (At 10m)	dBµV/m (At 3m)
	Class B	Class B
30MHz -88MHz	29.5	40.0
88MHz-216MHz	33.1	43.5
216MHz-960MHz	35.6	46.0
960MHz-1000MHz	43.5	54.0

Detector: Peak for pre-scan (120kHz resolution bandwidth) 30M to 1000MHz

6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22.9 °C

Humidity: 47.5 % RH

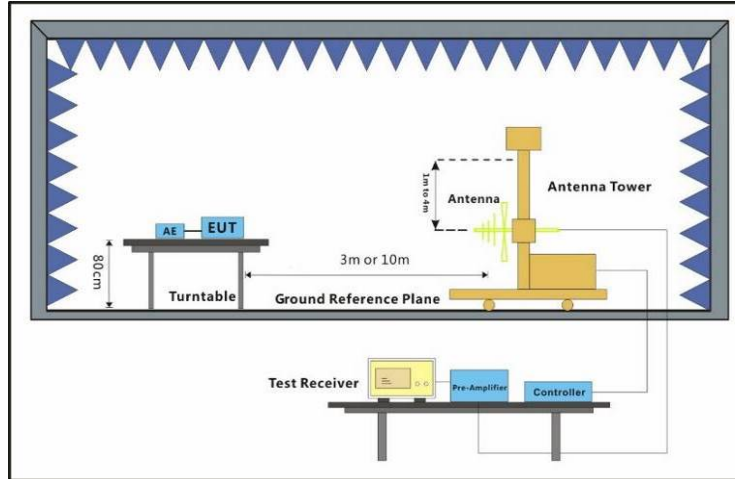
Atmospheric Pressure: 1005 mbar

6.1.2 Test Mode Description

Pre-scan / Final test	Mode Code	Description
Final test	00	On mode,keep EUT sounding,lighting and flashing.



6.1.3 Test Setup Diagram



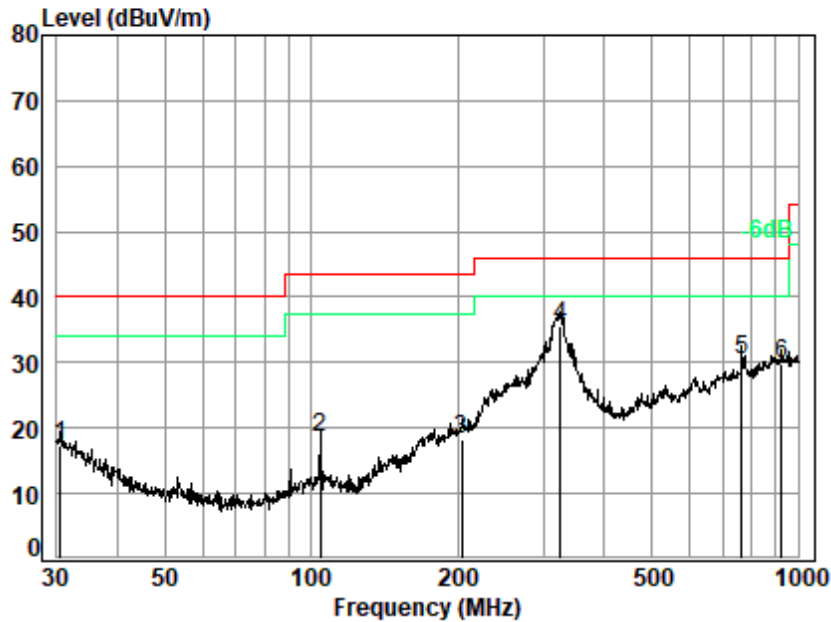
6.1.4 Measurement Procedure and Data

An initial pre-scan was performed in the chamber using the spectrum analyser in peak detection mode. Quasi-peak measurements were conducted based on the peak sweep graph. The EUT was measured by BiConiLog antenna with 2 orthogonal polarities.

Remark: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor



Test Mode: 00; Polarity: Horizontal



Site : chamber
 Condition: 3m HORIZONTAL
 Job No. : 05639ET
 Test Mode: 00

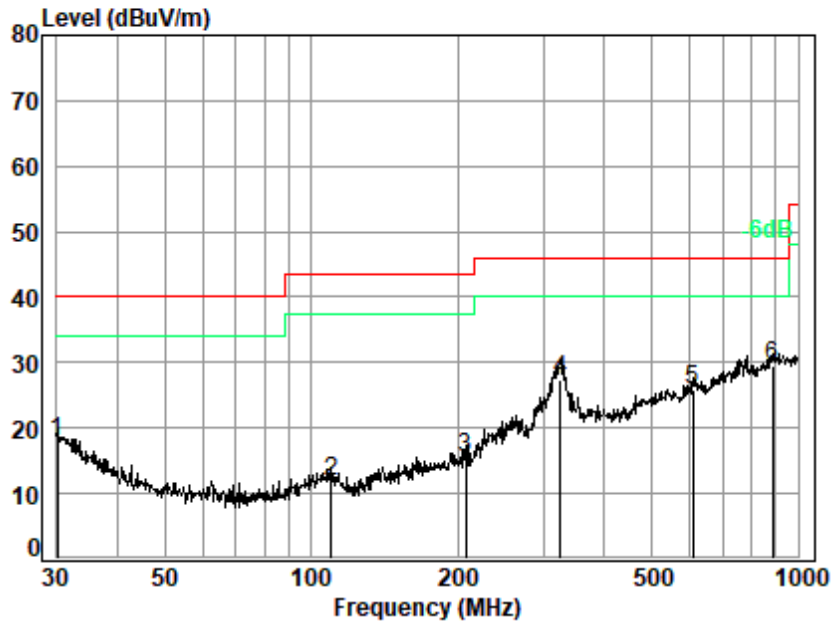
	Ant Freq	Cable Factor	Preamp Loss	Read Level	Limit Level	Over Limit	Remark
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB
1	30.53	21.13	0.65	27.80	23.38	40.00	-22.64 QP
2	104.17	12.96	1.21	27.59	31.89	43.50	-25.03 QP
3	204.24	14.87	1.75	27.23	28.98	43.50	-25.13 QP
4 q	325.60	19.00	2.27	27.00	41.31	46.00	-10.42 QP
5	766.06	26.65	3.72	27.72	27.76	46.00	-15.59 QP
6	925.76	28.43	4.16	27.01	24.24	46.00	-16.18 QP



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Test Mode: 00; Polarity: Vertical



Site : chamber
 Condition: 3m VERTICAL
 Job No. : 05638ET
 Test Mode: 00

	Ant Freq	Cable Factor	Preamp Loss	Read Level	Limit Level	Over Line	Remark	
	MHz	dB/m	dB	dBuV	dBuV/m	dBuV/m	dB	
1	30.11	21.40	0.64	27.80	23.57	17.81	40.00 -22.19	QP
2	109.80	12.55	1.24	27.57	25.64	11.86	43.50 -31.64	QP
3	207.85	15.28	1.76	27.22	25.61	15.43	43.50 -28.07	QP
4	324.46	18.98	2.26	27.00	33.23	27.47	46.00 -18.53	QP
5	607.79	25.62	3.23	28.21	25.18	25.82	46.00 -20.18	QP
6 q	887.61	28.86	4.06	27.19	23.65	29.38	46.00 -16.62	QP

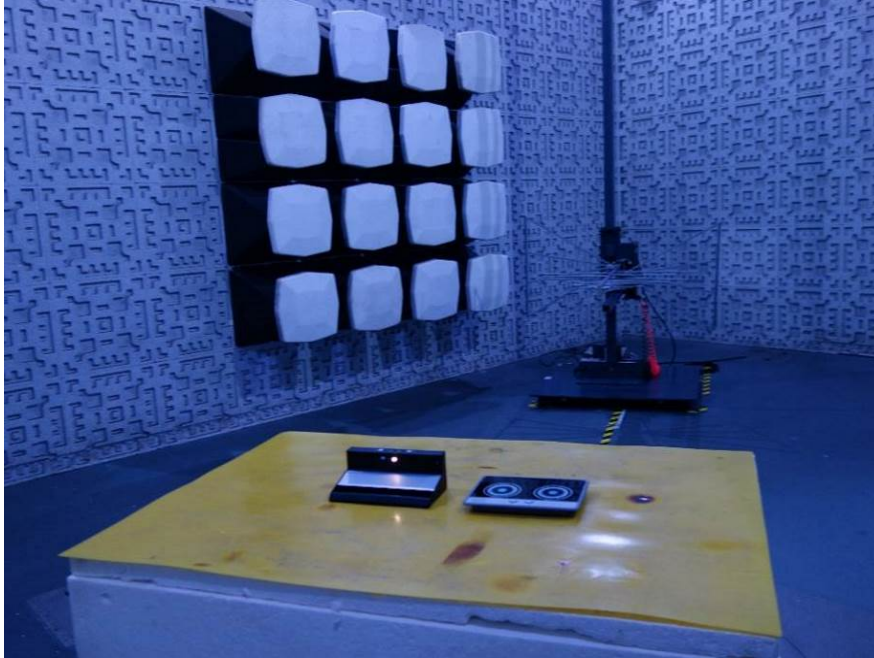


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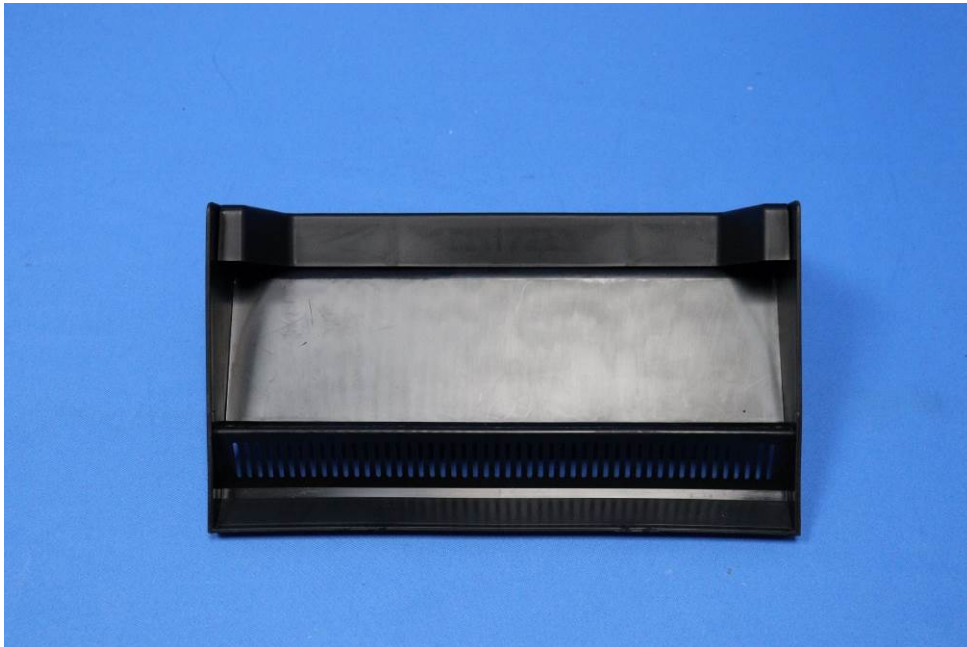
7 Test Setup Photo

Radiated Emissions (30MHz-1GHz)



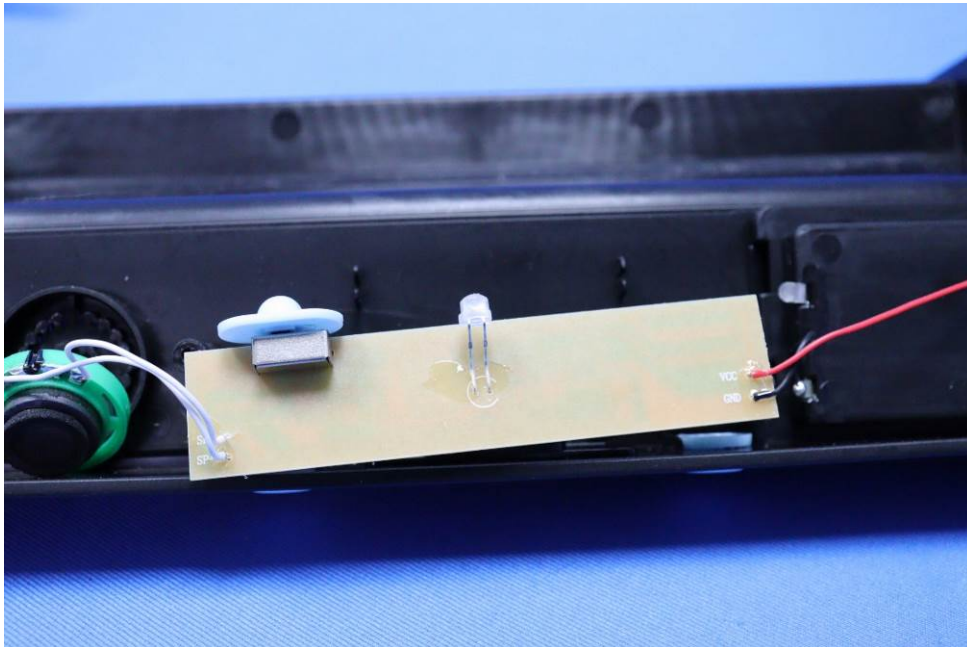
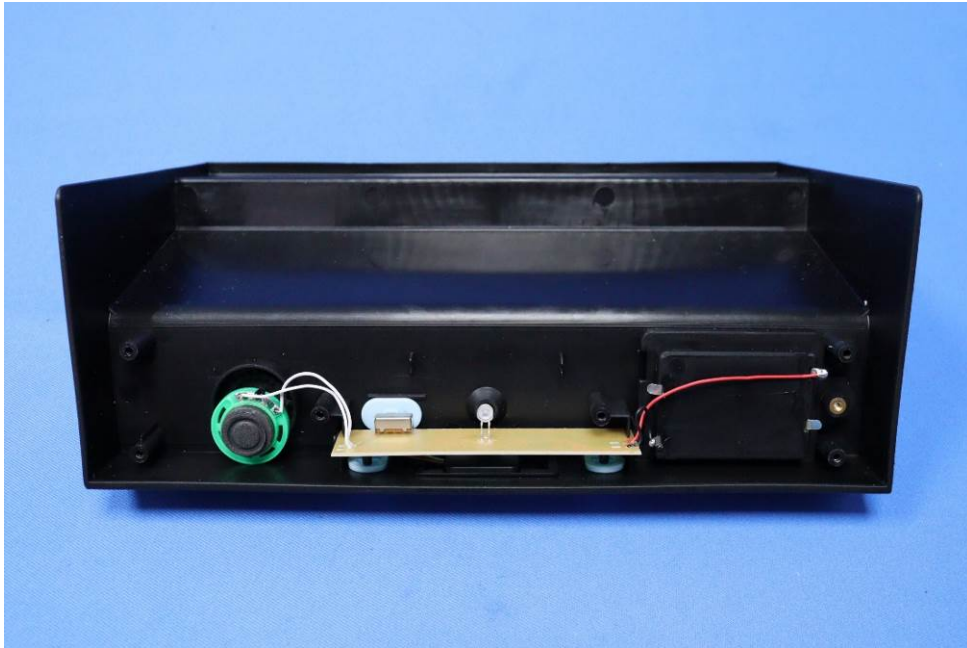
8 EUT Constructional Details (EUT Photos)

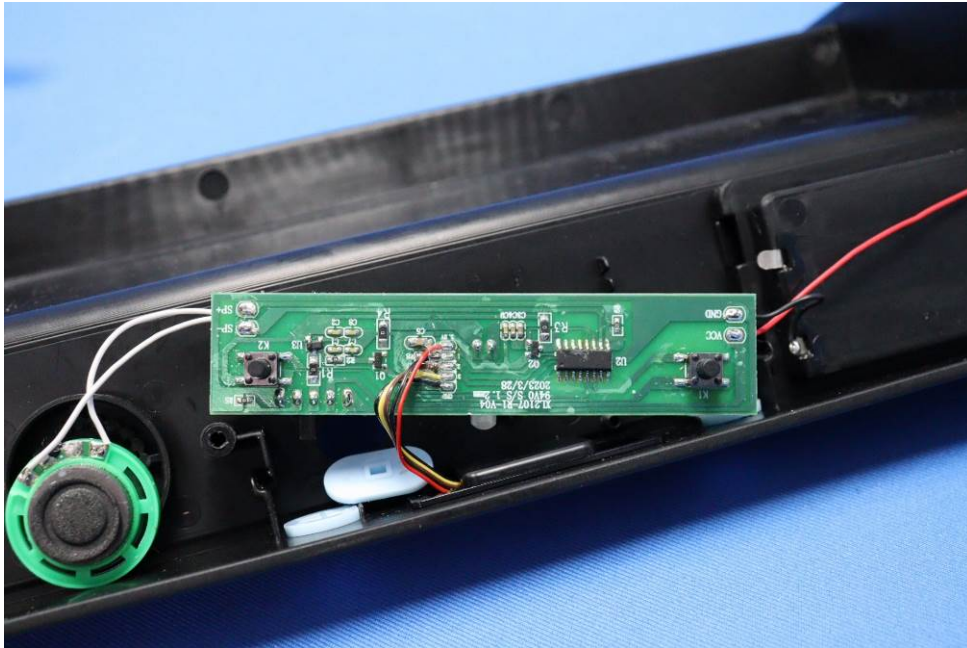




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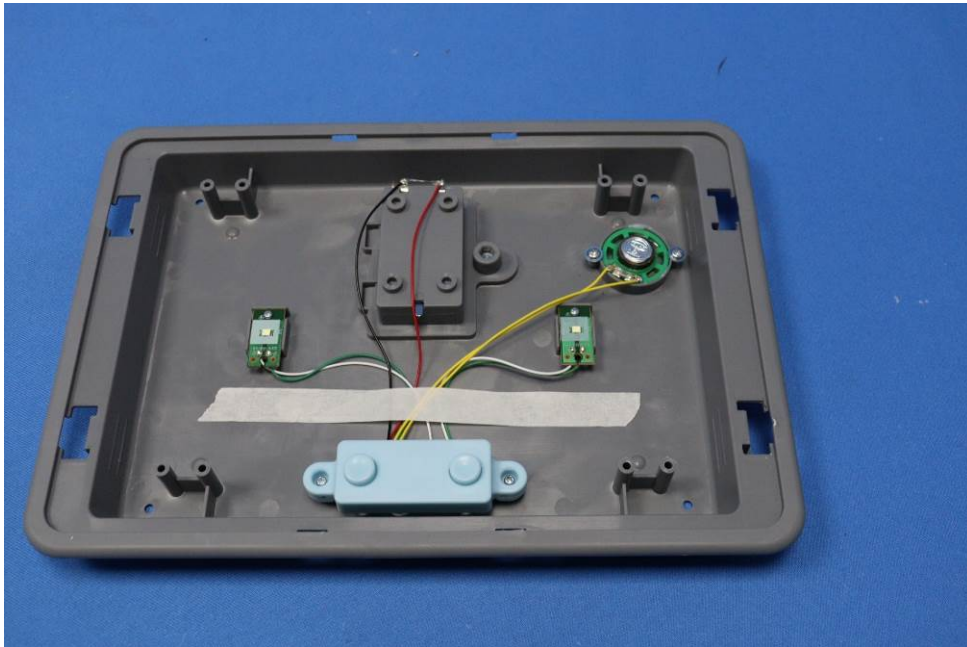
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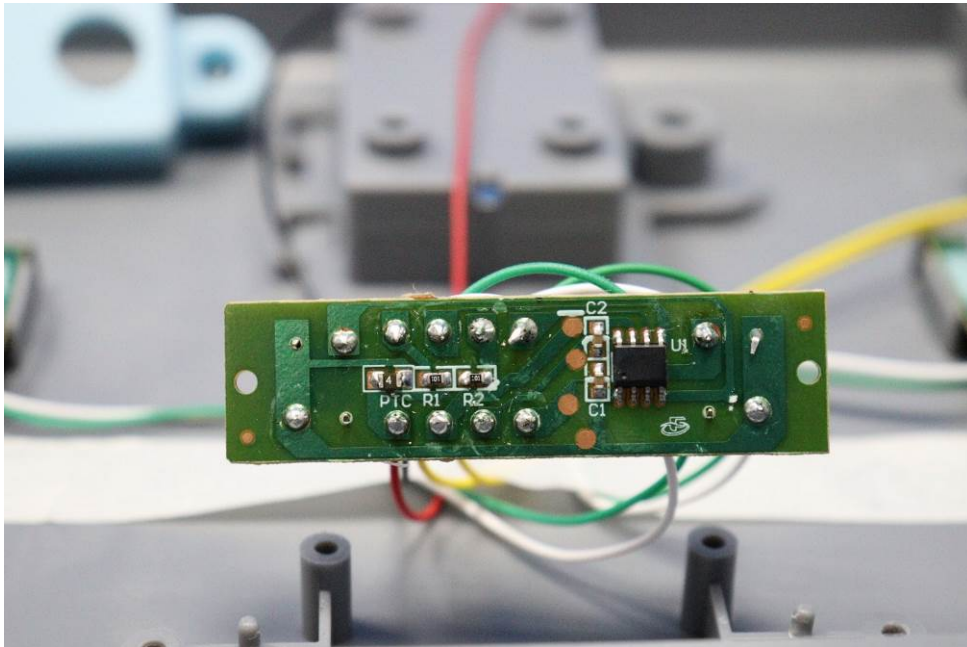
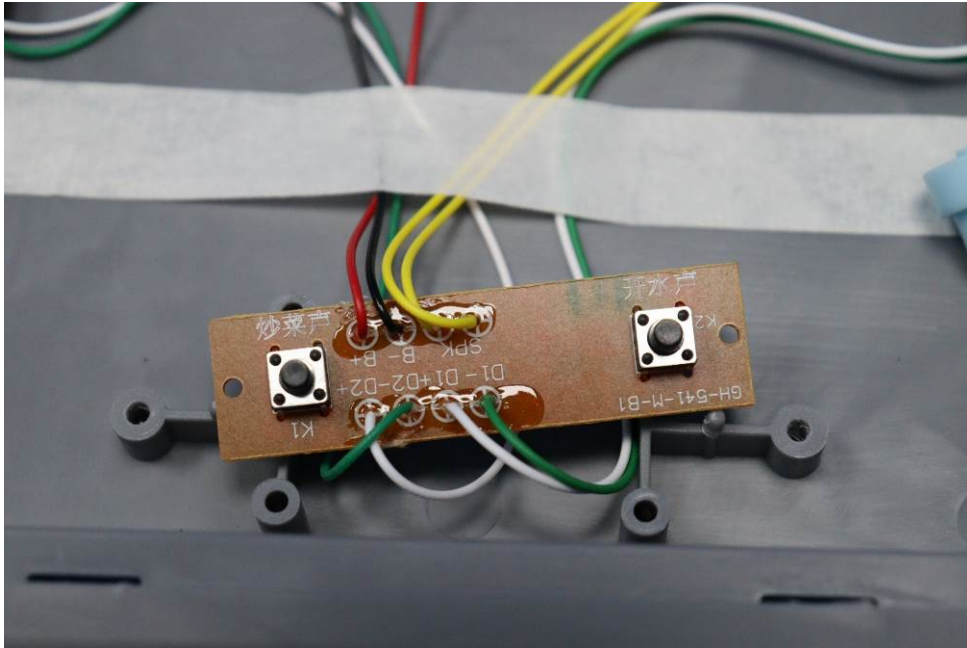
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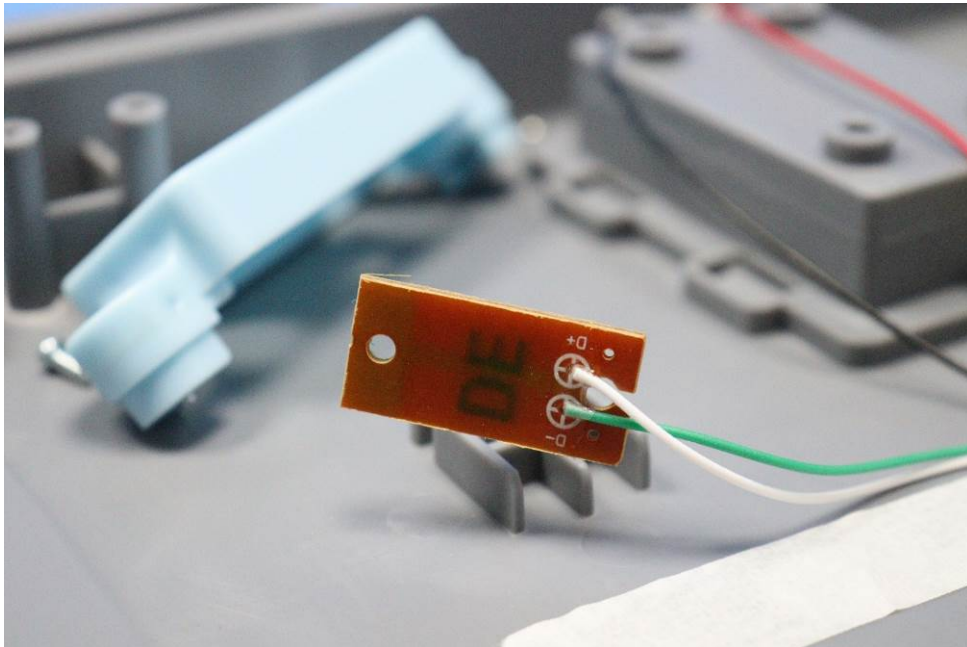
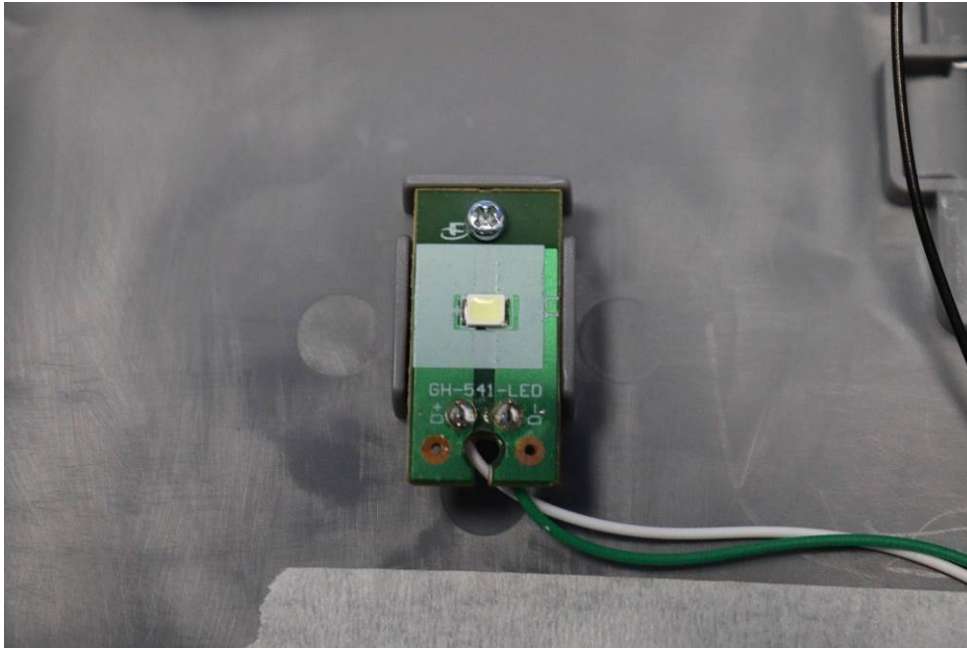
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E3166A E3166B:



E3166C:



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E3211:



E3212:



E3213:



E3900:



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E8710:



E8724:



- End of the Report -

