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Prepared For:

Guangdong Shiyue Mengbao Trading Co., Ltd

**6th Floor, Lijia Building, No. 8 Lane 11, Meihu District, Guangyi Street,
Chenghai District, Shantou City, Guangdong Province, China**

Prepared By:

Shenzhen HUAK Testing Technology Co., Ltd.

**1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping,
Fuhai Street, Bao'an District, Shenzhen, Guangdong, China**

Date of Test: **June 16, 2025 ~ June 24, 2025**

Date of Report: **June 24, 2025**

Report Number: **HK2506163155-E**

Report No.: HK2506163155-E

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FCC Test Report

Test Report

On Behalf of

Guangdong Shiyue Mengbao Trading Co., Ltd

For

THREE SECTION STUNT CAR

Model No.: NO.3576

FCC ID: 2BQXL-NO3576

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Test Result Certification

Applicant's Name : Guangdong Shiyue Mengbao Trading Co., Ltd
Address : 6th Floor, Lijia Building, No. 8 Lane 11, Meihu District, Guangyi Street, Chenghai District, Shantou City, Guangdong Province, China

Manufacturer's Name : Shantou Jinyi Shuo Toys Co., Ltd
Address : 4th Floor, Longxiang Toy Industry Co., Ltd., Yuting Road, Chenghua Industrial Zone, Chenghua Street, Chenghai District, Shantou City, China

Product Description

Trade Mark..... : N/A
Product Name : THREE SECTION STUNT CAR
Model and/or Type Reference.. : NO.3576

FCC Rules and Regulations Part 15 Subpart C Section 15.249

Standards **ANSI C63.10: 2020**

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Date of Test.....

Date (s) of Performance of Tests..... : **June 16, 2025 ~ June 24, 2025**
Date of Issue : **June 24, 2025**
Test Result : **Pass**

Testing Engineer

len lias

(Len Liao)

Technical Manager

Shy Wom

(Sliver Wan)

Authorized Signatory

Jason Zhou

(Jason Zhou)

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** Modified History **

Revision	Description	Issued Date	Remark
Revision 1.0	Initial Test Report Release	June 24, 2025	Jason Zhou
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1. Test Summary

1.1 Test Procedures and Results

DESCRIPTION OF TEST	SECTION NUMBER	RESULT
AC CONDUCTED EMISSIONS TEST	15.207	N/A
RADIATED EMISSION TEST	15.249(a)/15.209	COMPLIANT
BAND EDGE	15.249(d)/15.205	COMPLIANT
OCCUPIED BANDWIDTH MEASUREMENT	15.215(c)	COMPLIANT
ANTENNA REQUIREMENT	15.203	COMPLIANT

1.2 Information of the Test Laboratory

Shenzhen HUAK Testing Technology Co., Ltd.

Add.: 1-2/F., Building B2, Junfeng Zhongcheng Zhizao Innovation Park, Heping, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

Testing Laboratory Authorization:

A2LA Accreditation Code is 4781.01.

FCC Designation Number is CN1229.

Canada IC CAB identifier is CN0045.

CNAS Registration Number is L9589.

1.3 Measurement Uncertainty

Measurement Uncertainty

Conducted Emission Expanded Uncertainty	= 2.71dB, k=2
Radiated emission expanded uncertainty(9kHz-30MHz)	= 3.90dB, k=2
Radiated emission expanded uncertainty(30MHz-1000MHz)	= 3.90dB, k=2
Radiated emission expanded uncertainty(Above 1GHz)	= 4.28dB, k=2

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2. General Information

2.1 General Description of EUT

Equipment:	THREE SECTION STUNT CAR
Model Name:	NO.3576
Series Model(s):	N/A
Model Difference:	N/A
FCC ID:	2BQXL-NO3576
Antenna Type:	Internal antenna
Antenna Gain:	0.17dBi
Operation Frequency:	2405-2475MHz
Number of Channels:	4CH
Modulation Type:	GFSK
Power Source:	DC3V from Battery
Power Rating:	DC3V from Battery
Note:	<p>1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.</p> <p>2. Antenna gain Refer to the antenna specifications.</p> <p>3. The cable loss data is obtained from the supplier.</p> <p>4. The test results in the report only apply to the tested sample.</p>

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2.2 Carrier Frequency of Channels

Channel	Frequency (MHz)
1	2405
2	2440
3	2462
4	2475

2.3 Operation of EUT during Testing

Operating Mode

The mode is used: **Transmitting mode**

Low Channel: 2405MHz

Middle Channel: 2440MHz

High Channel: 2475MHz



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2.5 Description of Support Units

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

Item	Equipment	Trade Mark	Model/Type No.	Specification	Note
1	THREE SECTION STUNT CAR	N/A	NO.3576	N/A	EUT

Note:

1. All the equipment/cables were placed in the worst-case configuration to maximize the emission during the test
2. Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.
3. For conducted measurements (Output Power, 6dB Emission Bandwidth, Power Spectral Density, Spurious Emissions), the antenna of EUT is connected to the test equipment via temporary antenna connector, the antenna connector is soldered on the antenna port of EUT, and the temporary antenna connector is listed in the Test Instruments.



2.5 Measurement Instruments List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	L.I.S.N.	R&S	ENV216	HKE-002	2025/02/19	1 Year
2	L.I.S.N.	R&S	ENV216	HKE-059	2025/02/19	1 Year
3	EMI Test Receiver	R&S	ESR	HKE-005	2025/02/19	1 Year
4	Spectrum analyzer	Agilent	N9020A	HKE-025	2025/02/19	1 Year
5	Spectrum analyzer	Agilent	N9020A	HKE-117	2025/02/19	1 Year
6	Spectrum analyzer	R&S	FSV3044	HKE-126	2025/02/19	1 Year
7	Preamplifier	EMCI	EMC05184 5S	HKE-006	2025/02/19	1 Year
8	Preamplifier	Schwarzbeck	BBV 9743	HKE-016	2025/02/19	1 Year
9	Preamplifier	A.H. Systems	SAS-574	HKE-182	2025/02/19	1 Year
10	6dB Attenuator	Pasternack	6db	HKE-184	2025/02/19	1 Year
11	EMI Test Receiver	Rohde & Schwarz	ESR-7	HKE-010	2025/02/19	1 Year
12	Broadband Antenna	Schwarzbeck	VULB9168	HKE-167	2024/02/21	2 Year
13	Loop Antenna	COM-POWER	AL-130R	HKE-014	2024/02/21	2 Year
14	Horn Antenna	Schwarzbeck	9120D	HKE-013	2024/02/21	2 Year
15	EMI Test Software	Tonscend	JS32-CE 2.5.0.6	HKE-081	/	/
16	EMI Test Software	Tonscend	JS32-RE 5.0.0	HKE-082	/	/
17	RF Automatic control unit	Tonscend	JS0806-2	HKE-060	2025/02/19	1 Year
18	High pass filter unit	Tonscend	JS0806-F	HKE-055	2025/02/19	1 Year
19	Wireless Communication Test Set	R&S	CMU200	HKE-026	2025/02/19	1 Year
20	Wireless Communication Test Set	R&S	CMW500	HKE-027	2025/02/19	1 Year
21	High-low temperature chamber	Guangke	HT-80L	HKE-118	2025/06/09	1 Year
22	Temperature and humidity meter	Boyang	HTC-1	HKE-075	2025/06/09	1 Year
23	RF Test Software	Tonscend	JS1120-3 Version 3.5.39	HKE-083	/	/
24	10dB Attenuator	Schwarzbeck	VTSD9561F	HKE-153	2025/02/19	1 Year
25	RSE Test Software	Tonscend	JS36-RSE 5.0.0	HKE-184	/	/

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3.4 Test Result

Not applicable.

Note: EUT power supply by Battery Powered, so this test item not applicable.



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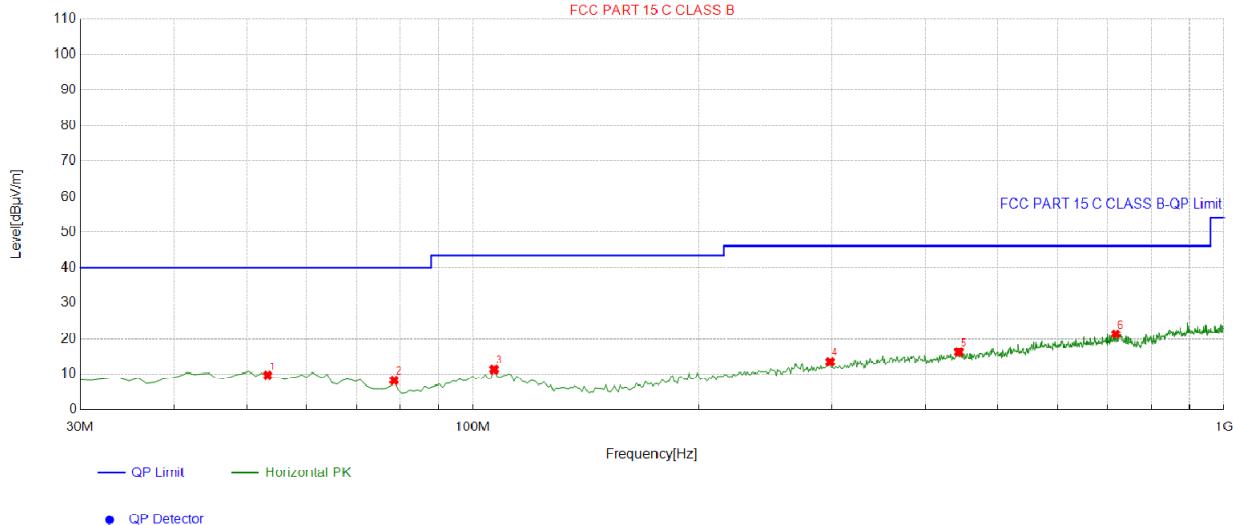
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Below 1GHz Test Results:

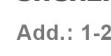
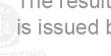
Antenna polarity: H



Suspected List

NO.	Freq. [MHz]	Factor [dB]	Reading [dB μ V/m]	Level [dB μ V/m]	Limit [dB μ V/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	53.3033	-13.66	23.19	9.53	40.00	30.47	100	24	Horizontal
2	78.5485	-17.92	26.11	8.19	40.00	31.81	100	238	Horizontal
3	106.7067	-14.49	25.72	11.23	43.50	32.27	100	67	Horizontal
4	298.9590	-11.75	25.17	13.42	46.00	32.58	100	107	Horizontal
5	443.6336	-8.65	24.89	16.24	46.00	29.76	100	343	Horizontal
6	717.4474	-4.22	25.61	21.39	46.00	24.61	100	243	Horizontal

Remark: Factor = Cable loss + Antenna factor + Attenuator – Preamplifier; Level = Reading + Factor;
Margin = Limit – Level;



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Above 1 GHz Test Results**CH Low (2405MHz)****Horizontal:**

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2405	101.19	-5.84	95.35	114	18.65	peak
2405	85.22	-5.84	79.38	94	14.62	AVG
4810	53.06	-3.64	49.42	74	24.58	peak
4810	40.25	-3.64	36.61	54	17.39	AVG
7215	51.66	-0.95	50.71	74	23.29	peak
7215	40.24	-0.95	39.29	54	14.71	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor;
Margin = Limit - Level.

Vertical:

Frequency (MHz)	Meter Reading (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2405	102.88	-5.84	97.04	114	16.96	peak
2405	89.25	-5.84	83.41	94	10.59	AVG
4810	52.06	-3.64	48.42	74	25.58	peak
4810	42.37	-3.64	38.73	54	15.27	AVG
7215	51.28	-0.95	50.33	74	23.67	peak
7215	40.36	-0.95	39.41	54	14.59	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor;
Margin = Limit - Level.

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CH Middle (2440MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type HUMAN TESTING
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2440	105.29	-5.71	99.58	114	14.42	peak
2440	76.88	-5.71	71.17	94	22.83	AVG
4880	54.18	-3.51	50.67	74	23.33	peak
4880	43.28	-3.51	39.77	54	14.23	AVG
7320	52.06	-0.82	51.24	74	22.76	peak
7320	44.16	-0.82	43.34	54	10.66	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor; Margin = Limit - Level.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2440	103.68	-5.71	97.97	114	16.03	peak
2440	78.26	-5.71	72.55	94	21.45	AVG
4880	54.22	-3.51	50.71	74	23.29	peak
4880	43.23	-3.51	39.72	54	14.28	AVG
7320	53.26	-0.82	52.44	74	21.56	peak
7320	43.17	-0.82	42.35	54	11.65	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor;
Margin = Limit - Level.



CH High (2475MHz)

Horizontal:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2475	103.26	-5.65	97.61	114	16.39	peak
2475	82.11	-5.65	76.46	94	17.54	AVG
4950	54.29	-3.43	50.86	74	23.14	peak
4950	43.25	-3.43	39.82	54	14.18	AVG
7425	53.26	-0.75	52.51	74	21.49	peak
7425	40.19	-0.75	39.44	54	14.56	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor;
Margin = Limit - Level.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2475	103.36	-5.65	97.71	114	16.29	peak
2475	82.78	-5.65	77.13	94	16.87	AVG
4950	53.21	-3.43	49.78	74	24.22	peak
4950	45.87	-3.43	42.44	54	11.56	AVG
7425	53.66	-0.75	52.91	74	21.09	peak
7425	40.29	-0.75	39.54	54	14.46	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor;
Margin = Limit - Level.

Remark :

- (1) Measuring frequencies from 1 GHz to the 25 GHz.
- (2) "F" denotes fundamental frequency; "H" denotes spurious frequency; "E" denotes band edge frequency.
- (3) * denotes emission frequency which appearing within the Restricted Bands specified in provision of 15.205, then the general radiated emission limits in 15.209 apply.
- (4) The emissions are attenuated more than 20dB below the permissible limits are not record in the report.
- (5) The IF bandwidth of EMI Test Receiver between 30MHz to 1GHz was 120KHz, 1 MHz for measuring above 1 GHz, below 30MHz was 10KHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 3MHz for peak measurement with peak detector at frequency above 1GHz. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and video bandwidth is 10Hz for Average measurement with peak detection at frequency above 1GHz.
- (6) When the test results of Peak Detected below the limits of Average Detected, the Average Detected is not need completed. For example: Top Channel at Fundamental 73.16dB μ V/m(PK Value) <93.98(AV Limit), at harmonic 53.20 dB μ V/m(PK Value) <54 dB μ V/m(AV Limit), the Average Detected not need to completed.
- (7) All modes of operation were investigated and the worst-case emissions are reported.

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5. Band Edge

5.1 Limits

FCC PART 15.249(d) Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in §15.209, whichever is the lesser attenuation.

5.2 Test Procedure

The band edge compliance of RF radiated emission should be measured by following the guidance in ANSI C63.10 with respect to maximizing the emission by rotating the EUT, measuring the emission while the EUT is situated in three orthogonal planes (if appropriate), adjusting the measurement antenna height and polarization etc. Set RBW to 1MHz and VBM to 3MHz to measure the peak field strength and set RBW to 1MHz and VBW to 10Hz to measure the average radiated field strength. The conducted RF band edge was measured by using a spectrum analyzer. Set span wide enough to capture the highest in-band emission and the emission at the band edge. Set RBW to 1MHz and VBW to 3MHz, to measure the conducted peak band edge.

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PASS

Radiated Band Edge Test:

Operation Mode: TX CH Low (2405MHz)

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5.3 Test Result

Horizontal (Worst case):

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2310	55.32	-5.81	49.51	74	24.49	peak
2310	/	-5.81	/	54	/	AVG
2390	54.98	-5.84	49.14	74	24.86	peak
2390	/	-5.84	/	54	/	AVG
2400	53.09	-5.84	47.25	74	26.75	peak
2400	/	-5.84	/	54	/	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor; Margin = Limit - Level.

Vertical:

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Detector Type
(MHz)	(dB μ V)	(dB)	(dB μ V/m)	(dB μ V/m)	(dB)	
2310	55.28	-5.81	49.47	74	24.53	peak
2310	/	-5.81	/	54	/	AVG
2390	54.16	-5.84	48.32	74	25.68	peak
2390	/	-5.84	/	54	/	AVG
2400	54.37	-5.84	48.53	74	25.47	peak
2400	/	-5.84	/	54	/	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor; Margin = Limit - Level.

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Operation Mode: TX CH High (2475MHz)

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Horizontal (Worst case):

Frequency (MHz)	Reading Result (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.50	54.21	-5.65	48.56	74	25.44	peak
2483.50	/	-5.65	/	54	/	AVG
2500.00	53.98	-5.65	48.33	74	25.67	peak
2500.00	/	-5.65	/	54	/	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor; Margin = Limit - Level.

Vertical:

Frequency (MHz)	Reading Result (dB μ V)	Factor (dB)	Emission Level (dB μ V/m)	Limits (dB μ V/m)	Margin (dB)	Detector Type
2483.50	54.28	-5.65	48.63	74	25.37	peak
2483.50	/	-5.65	/	54	/	AVG
2500.00	54.33	-5.65	48.68	74	25.32	peak
2500.00	/	-5.65	/	54	/	AVG

Remark: Factor = Cable loss + Antenna factor + Attenuator - Preamplifier; Level = Reading + Factor; Margin = Limit - Level.

Remark: All the other emissions not reported were too low to read and deemed to comply with FCC limit.

Remark:

1. If the PK measured levels comply with average limit, then the average level were deemed to comply with average limit.
2. In restricted bands of operation, the spurious emissions below the permissible value more than 20dB.
3. The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

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6. Occupied Bandwidth Measurement

6.1 Test Setup

Same as Radiated Emission Measurement

6.2 Test Procedure

1. The EUT was placed on a turn table which is 0.8m above ground plane.
2. Set EUT as normal operation.
3. Based on ANSI C63.10 section 6.9.2: RBW= 20KHz. VBW= 62KHz, Span= 3MHz.
4. The useful radiated emission from the EUT was detected by the spectrum analyzer with peak detector.

6.3 Measurement Equipment Used

Same as Radiated Emission Measurement

6.4 Test Result

PASS

Frequency	20dB Bandwidth (MHz)	Result
2405 MHz	1.159	PASS
2440 MHz	1.165	PASS
2475 MHz	1.169	PASS

CH: 2405MHz



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CH: 2440MHz



CH: 2475MHz



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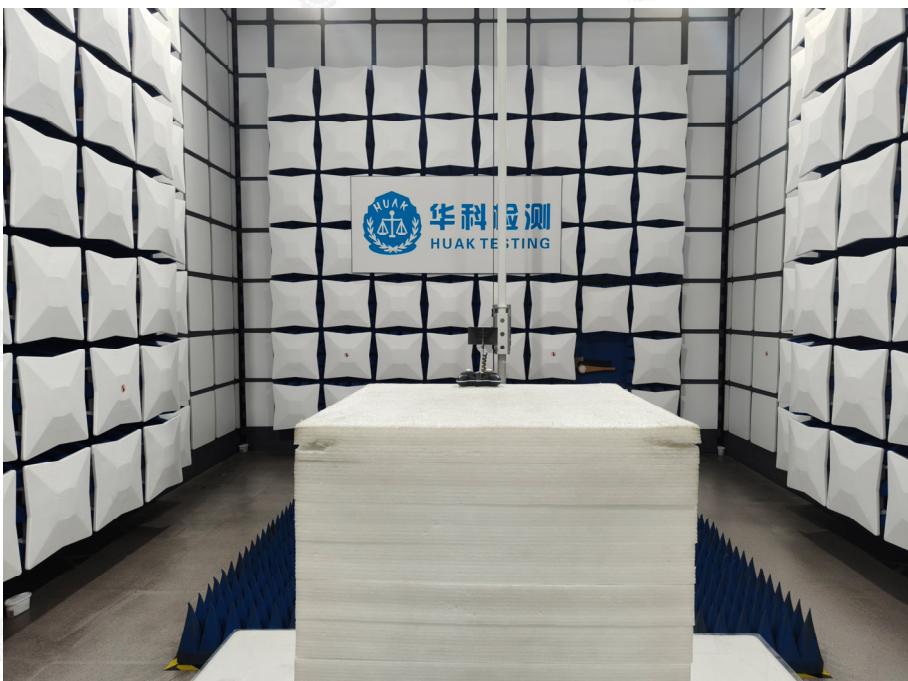
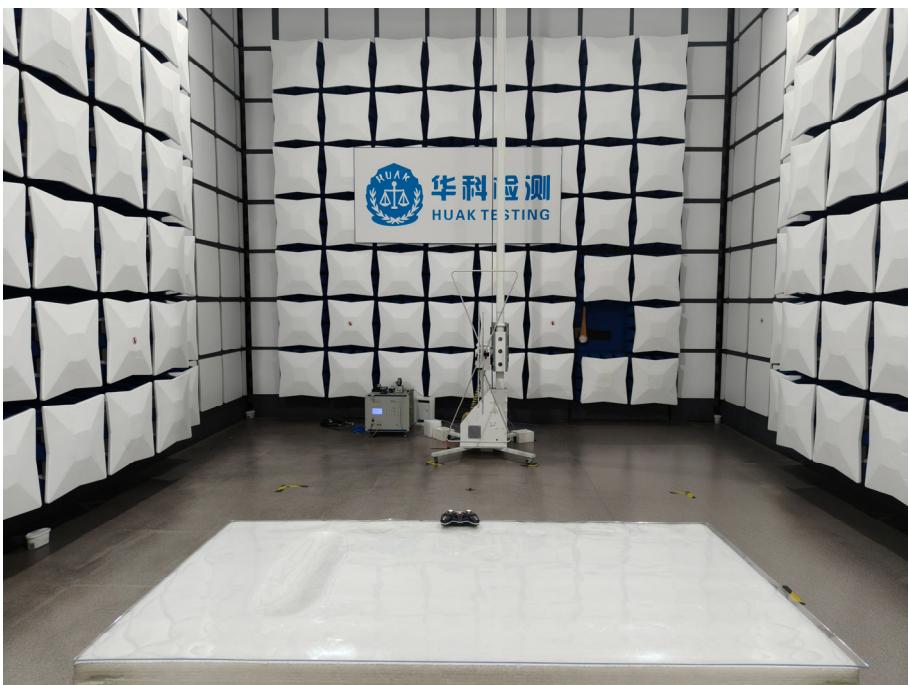
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8. Photographs of Test

Radiated Emission



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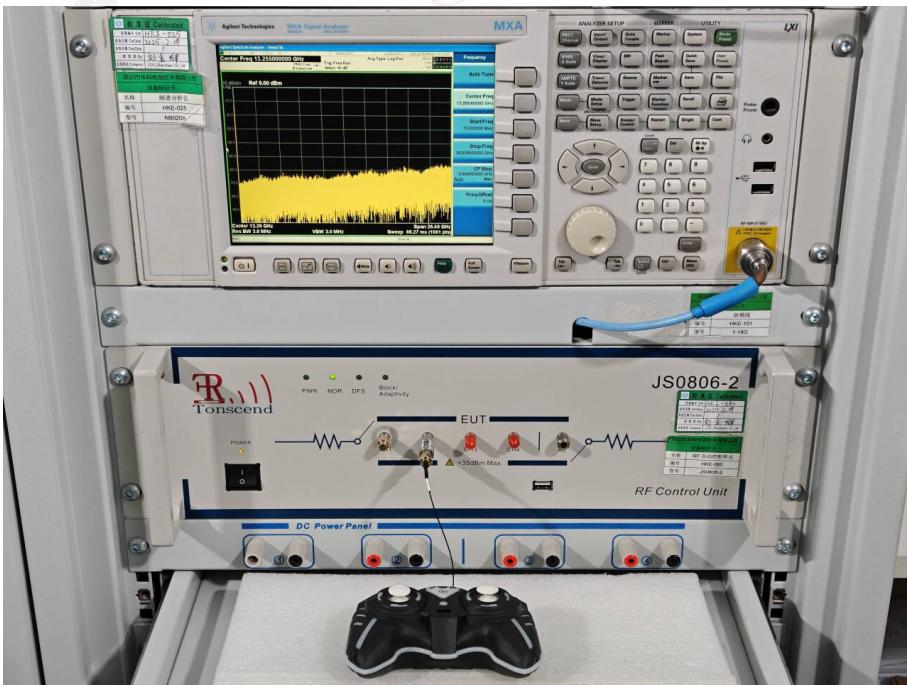
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RF Conducted Emission



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9. Photos of the EUT

Reference to the report: ANNEX A of external photos and ANNEX B of internal photos.

-----End of test report-----



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