

**EMC TEST REPORT**

For

Guangdong Baolun Electronics Co., Ltd.

volume controller ceiling speaker

Test Model: T-205A

Additional Model No.: Please refer to page 11

Prepared for : Guangdong Baolun Electronics Co., Ltd.
Address : No.56 Nanlidong Road Shiqi Panyu Guangzhou

Prepared by : Shenzhen LCS Compliance Testing Laboratory Ltd.
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Date of receipt of test sample : August 12, 2024
Number of tested samples : 1
Sample number : Prototype
Date of Test : August 12, 2024 ~ August 17, 2024
Date of Report : November 11, 2024



**EMC TEST REPORT**

Report Reference No.	: LCSA08124197E002
Date of Issue	: November 11, 2024
Testing Laboratory Name	: Shenzhen LCS Compliance Testing Laboratory Ltd.
Address	: Room 101, 201, Building A and Room 301, Building C, Juji Industrial Park, Yabianxueziwei, Shajing Street, Bao'an District, Shenzhen, Guangdong, China
Testing Location/ Procedure ...	: Full application of Harmonised standards <input checked="" type="checkbox"/> Partial application of Harmonised standards <input type="checkbox"/> Other standard testing method <input type="checkbox"/>
Applicant's Name	: Guangdong Baolun Electronics Co., Ltd.
Address	: No.56 Nanlidong Road Shiqi Panyu Guangzhou
Test Specification	
Standard	: EN 55032:2015/A11:2020, EN 55035:2017/A11:2020
Test Report Form No.	: LCSEMC-1.0
TRF Originator	: Shenzhen LCS Compliance Testing Laboratory Ltd.
Master TRF	: Dated 2011-03
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Test Item Description	: volume controller ceiling speaker
Trade Mark	: itC
Test Model	: T-205A
Ratings	: Please Refer to Page 9
Result	: Positive

Compiled by:*Coco Song*

Coco Song / File Administrator

Supervised by:*Cary Luo*

Cary Luo /Technique principal

Approved by:*Gavin Liang*

Gavin Liang/ Manager



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EMC -- TEST REPORT

Test Report No. : LCSA08124197E002	<u>November 11, 2024</u> Date of issue
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Test Model..... : T-205A EUT..... : volume controller ceiling speaker
Applicant..... : Guangdong Baolun Electronics Co., Ltd. Address..... : No.56 Nanlidong Road Shiqi Panyu Guangzhou Telephone..... : / Fax..... : /
Manufacturer : Guangdong Baolun Electronics Co., Ltd. Address..... : No.56 Nanlidong Road Shiqi Panyu Guangzhou Telephone..... : / Fax..... : /
Factory : Guangdong Baolun Electronics Co., Ltd. Address : No.56 Nanlidong Road Shiqi Panyu Guangzhou Telephone..... : / Fax..... : /

Test Result	Positive
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The test report merely corresponds to the test sample.
 It is not permitted to copy extracts of these test result without the written permission of the test laboratory.





Revision History

Revision	Issue Date	Revisions Content	Revised By
000	August 19, 2024	Initial Issue	/
001	September 14, 2024	Declared by applicant, other information and results contained in this report are not changed, original test report become invalid.	Coco Song
002	November 11, 2024	Declared by applicant, other information and results contained in this report are not changed, original test report become invalid.	Coco Song





TABLE OF CONTENTS

Test Report Description	Page
1. TEST STANDARDS	6
2.SUMMARY OF STANDARDS AND RESULTS	7
2.1. DESCRIPTION OF STANDARDS AND RESULTS	7
2.2. DESCRIPTION OF PERFORMANCE CRITERIA	8
3. GENERAL INFORMATION	9
3.1. DESCRIPTION OF DEVICE (EUT)	9
3.2. DESCRIPTION OF SUPPORT DEVICE	9
3.3. DESCRIPTION OF TEST FACILITY	10
3.4. STATEMENT OF THE MEASUREMENT UNCERTAINTY	10
3.5. MEASUREMENT UNCERTAINTY	10
3.6 MODEL LIST	11
4. MEASURING DEVICES AND TEST EQUIPMENT	12
5.TEST RESULTS	13
5.1. RADIATED EMISSION MEASUREMENT	13
5.2. ELECTROSTATIC DISCHARGE IMMUNITY TEST	15
5.3. RF FIELD STRENGTH SUSCEPTIBILITY TEST	17
ANNEX A	19
ANNEX B	21
ANNEX C	25





1. TEST STANDARDS

The tests were performed according to following standards:

EN 55032:2015/A11:2020 Electromagnetic compatibility of multimedia equipment - Emission Requirements

EN 55035:2017/A11:2020 Electromagnetic compatibility of multimedia equipment – Immunity requirements





2.SUMMARY OF STANDARDS AND RESULTS

2.1. Description of Standards and Results

The EUT have been tested according to the applicable standards as referenced below.

Emission (EN 55032:2015/A11:2020)			
Description of Test Item	Standard	Limits	Results
Conducted disturbance at mains terminals	EN 55032:2015/A11:2020	Class B	N/A
Conducted disturbance at telecommunication port	EN 55032:2015/A11:2020	Class B	N/A
Radiated disturbance	EN 55032:2015/A11:2020	Class B	PASS
Harmonic current emissions	EN IEC 61000-3-2:2019/A1:2021	Class A	N/A
Voltage fluctuations & flicker	EN 61000-3-3:2013/A1:2019	-----	N/A
Immunity (EN 55035:2017/A11:2020)			
Description of Test Item	Basic Standard	Performance Criteria	Results
Electrostatic Discharge (ESD)	EN 61000-4-2:2009	B	PASS
Radio-frequency, Continuous Radiated Disturbance	EN IEC 61000-4-3:2020	A	PASS
Electrical Fast Transient (EFT)	EN 61000-4-4:2012	B	N/A
Surge (Input a.c. Power Ports)	EN 61000-4-5: 2014/A1:2017	B	N/A
Surge (Telecommunication Ports)		B	N/A
Conducted disturbances induced by radio-frequency fields	EN 61000-4-6:2014/AC:2015	A	N/A
Power Frequency Magnetic Field	EN 61000-4-8:2010	A	N/A
Voltage Dips, >95% Reduction	EN 61000-4-11:2020/AC:2020	B	N/A
Voltage Dips, 30% Reduction		C	N/A
Voltage Interruptions		C	N/A
***Note: N/A is an abbreviation for Not Applicable.			

Test mode:		
Mode	Working	Record





2.2. Description of Performance Criteria

General Performance Criteria

Examples of functions defined by the manufacturer to be evaluated during testing include, but are not limited to, the following:

- essential operational modes and states;

2.2.1. Performance criterion A

The equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed below a performance level specified by the manufacture when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance. If the minimum performance level or the permissible performance loss is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

2.2.2. Performance criterion B

After the test, the equipment shall continue to operate as intended without operator intervention. No degradation of performance or loss of function is allowed, after the application of the phenomena below a performance level specified by the manufacture, when the equipment is used as intended. The performance level may be replaced by a permissible loss of performance.

During the test, degradation of performance is allowed. However, no change of operation state or stored data is allowed to persist after the test.

If the minimum performance level (or the permissible performance loss) is not specified by the manufacturer, then either of these may be derived from the product description and documentation, and by what the user may reasonably expect from the equipment if used as intended.

2.2.3. Performance criterion C

Loss of function is allowed, provided the function is self-recoverable, or can be restored by the operation of the controls by the user in accordance with the manufacture's instructions.

Functions, and/or information stored in non-volatile memory, or protected by a battery backup, shall not be lost.



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3. GENERAL INFORMATION

3.1. Description of Device (EUT)

EUT : volume controller ceiling speaker

Trade Mark : **itc**

Test Model : T-205A

Additional Model No. : See Models List as below

Model Declaration : PCB board, structure and internal of these model(s) are the same, So no additional models were tested

Power Supply : **Input: 1) 70V~ 5W/2.5W/1.25W/0.63W**
2) 100V~ 10W/5W/2.5W/1.25W

Highest internal freq. : $F_x \leq 108\text{MHz}$

Highest internal frequency (Fx)	Highest measured frequency
$F_x \leq 108\text{ MHz}$ $108\text{ MHz} < F_x \leq 500\text{ MHz}$ $500\text{ MHz} < F_x \leq 1\text{ GHz}$ $F_x > 1\text{ GHz}$	1 GHz 2 GHz 5 GHz 5 × Fx up to a maximum of 6 GHz
NOTE 1 For FM and TV broadcast receivers, Fx is determined from the highest frequency generated or used excluding the local oscillator and tuned frequencies. NOTE 2 Fx is defined in EN 55032 Section 3.1.19. Where Fx is unknown, the radiated emission measurements shall be performed up to 6 GHz	

3.2. Description of Support Device

Name	Manufacturers	M/N	S/N
Honor 8	Huawei	FRD-AL10	FRD-AL10C00B373



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3.3. Description of Test Facility

NVLAP Accreditation Code is 600167-0.
 FCC Designation Number is CN5024.
 CAB identifier is CN0071.
 CNAS Registration Number is L4595.

3.4. Statement of The Measurement Uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. To CISPR 16 – 4 “Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements” and is documented in the LCS quality system acc. To DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

3.5. Measurement Uncertainty

Test	Parameters	Expanded Uncertainty (U_{lab})	Expanded Uncertainty (U_{CISPR})
Conducted Emission	Level accuracy (9kHz to 150kHz) (150kHz to 30MHz)	± 2.63 dB ± 2.35 dB	± 3.8 dB ± 3.4 dB
Power Disturbance	Level accuracy (30MHz to 300MHz)	± 2.90 dB	± 4.5 dB
Electromagnetic Radiated Emission (3-loop)	Level accuracy (9kHz to 30MHz)	± 3.60 dB	± 3.3 dB
Radiated Emission	Level accuracy (9kHz to 30MHz)	± 3.68 dB	N/A
Radiated Emission	Level accuracy (30MHz to 1000MHz)	± 3.48 dB	± 5.3 dB
Radiated Emission	Level accuracy (above 1000MHz)	± 3.90 dB	± 5.2 dB

- 1) Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus.
- 2) The reported expanded uncertainty of measurement is stated as the standard uncertainty of measurement multiplied by the coverage factor of $k=2$, which for a normal distribution corresponds to a coverage probability of approximately 95%.



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3.6 Model List

T-104K, T-206P, T-105Y, T-106Y, T-104, T-105, T-106, T-105A, T-106A, T-104U, IP-S835, T-106U, T-105R, T-105F, T-106F, T-105L, T-105GP, T-106W, T-205, T-206, T-208, T-205P, T-104GDR, T-205CW, T-206CW, T-208CW, T-205A, T-206BC, T-105CA, T-205B, T-206B, T-208B, T-205BC, T-104GK, T-105CP, T-103G, T-103C, T-104G, T-104GD, T-105C, T-105M, T-552, T-562, T-582, T-104C, T-105FP, T-105S, T-575, T-585, T-225H, T-208S, T-103B, T-105U, T-525, T-206A, VA-200D, T-505, T-230B, T-106H, T-105E, T-105D, T-105G, T-208H, VA-505, T-107C, T-205D, T-105T, T-105H, VA-504, T-565, T-205DW, VA-622, VA-206A, VA-505A, VA-506, T-105GBR, T-205G, T-206CH, T-601CR, T-210H, T-105AR, T-562A, T-205T, T-105RD, T-205BR, T-206BR, T-552A, T-208F, T-206K, T-205E, T-206E, T-205F, T-206F, IP-S625, T-206L, T-206G, T-208G, IP-S505, IP-S515, T-205CR, T-208A, TS-208RH, T-250B, T-108M, T-210P, T-208BC, T-206CR, T-206T, T-208CR, T-208T, VA-105CA, T-208P, T-260H, VA-104, VA-105, VA-105A, VA-301, T-250BG, VA-105T, VA-106, VA-200, VA-200B, VA-601XW, T-535, VA-303, VA-304, VA-404C, VA-105C, T-106K, T-582A, VA-585, T-206DT, T-205DT, T-206CK, T-104UR, T-606, TS-206BL, T-106T, T-225BG, T-225BM, T-108CR, T-750, T-104R, T-2018K, T-106X, T-205L, T-103BA, S-9060W, T-105FR, T-208L, T-105SY, T-206S, T-206C, VA-105G, T-208R, T-160T, T-205C, T-103D, T-604, VA-302, T-208C, T-760A, T-103, T-602, T-107, VA-525, T-208E, T-206H, T-103CR, T-603, T-205K, VA-575, T-205H, T-105SY, T-105K, T-103E, T-105GB, VA-612, T-WF600, T-208K, ICS-1-5-6, ICS-ST-2-5-6-B, ICS-FP-1-5-6, IPS-ST-2-6-15-B, IPS-EC-2-6-15-BC, ICS-ST-2-5-6-B 1, TF-SHDX, TS-108R, VA-104C, T-528, T-200A, T-108L, T-200B, TS-208R, T-200C, VA-565, T-200D, T-104A, T-200DW, T-104B, T-400, T-104UA, T-600, T-104UB, T-800, T-105YM, T-600B, TS-206M, TS-205DT, TS-208M, TS-206DT, T-105YK, TS-206R, VA-105F, T-601C, T-553, T-551, T-600W, T-675, T-206TB, T-206BL, TL-SF1009PE, VA-105C1, TZ-JLQX, KP-208R, TF-0822R, KP-208RH, TF-0822RH, KP-206M, TF-SHDX, T-671, T-671C, T-671F, T-671, T-672, T-673, T-674, T-675, T-681, T-681F, T-682, T-682F, T-683, T-683F, T-684, T-684F, T-685, T-685F, T-672F, T-674F, T-675F, T-673F, T-671, T-671C, T-671F, T-672, T-672R, T-672C, T-672FR, T-673, T-673C, T-673R, T-674, T-674C, T-675, T-675C, T-691, T-691F, T-691C, T-692, T-692F, T-692C, T-693, T-693F, T-693C, T-694, T-694F, T-694C, T-695, T-695F, T-695C, T-8P





4. MEASURING DEVICES AND TEST EQUIPMENT

Radiated emissions (30MHz-1GHz)					
Equipment	Manufacturer	Model No	Serial No.	Cal Date	Due Date
EMI Test Software	Farad	EZ	/	/	/
EMI Test Software	AUDIX	E3	/	/	/
By-log Antenna	SCHWARZBEC K	VULB9163	9163-470	2021-09-12	2024-09-11
Horn Antenna	SCHWARZBEC K	BBHA 9120D	9120D-1925	2021-09-05	2024-09-04
EMI Test Receiver	R&S	ESR3	102311	2023-08-15	2024-08-14
Broadband Preamplifier	/	BP-01M18G	P190501	2024-06-06	2025-06-05
EMI Test Receiver	R&S	ESCI7	101173	2023-10-25	2024-10-24
By-log Antenna	SchwarzZBECK	VULB9163	01428	2023-09-05	2024-09-04

Electrostatic discharges					
Equipment	Manufacturer	Model No	Serial No.	Cal Date	Due Date
ESD Simulator	SCHLODER	SESD 230	604035	2024-07-15	2025-07-14

RF electromagnetic field disturbances					
Equipment	Manufacturer	Model No	Serial No.	Cal Date	Due Date
MXG Vector Signal Generator	Agilent	E4438C	MY42081396 (6G)	2024-06-06	2025-06-05
RF POWER AMPLIFIER	SKET	HAP_0306G- 50W	/	2024-06-06	2025-06-05
RF POWER AMPLIFIER	OPHIR	5225R	1052	2024-06-06	2025-06-05
RF POWER AMPLIFIER	OPHIR	5273F	1019	2024-06-06	2025-06-05
Stacked Broadband Log Periodic Antenna	SCHWARZBEC K	STLP 9128	9128ES-145	/	/
Stacked Mikrowellen Log.-Per Antenna	SCHWARZBEC K	STLP 9149	9149-484	/	/
RS Electric field probe	narda	EP601	611WX80208	2024-06-06	2025-06-05



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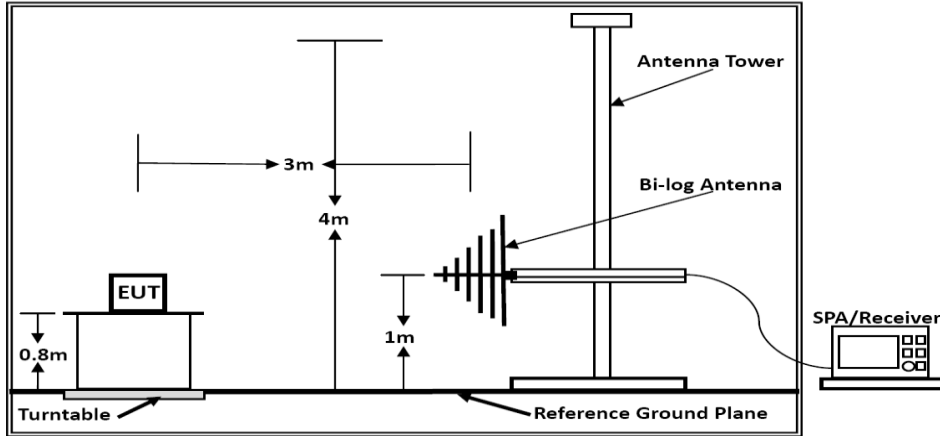
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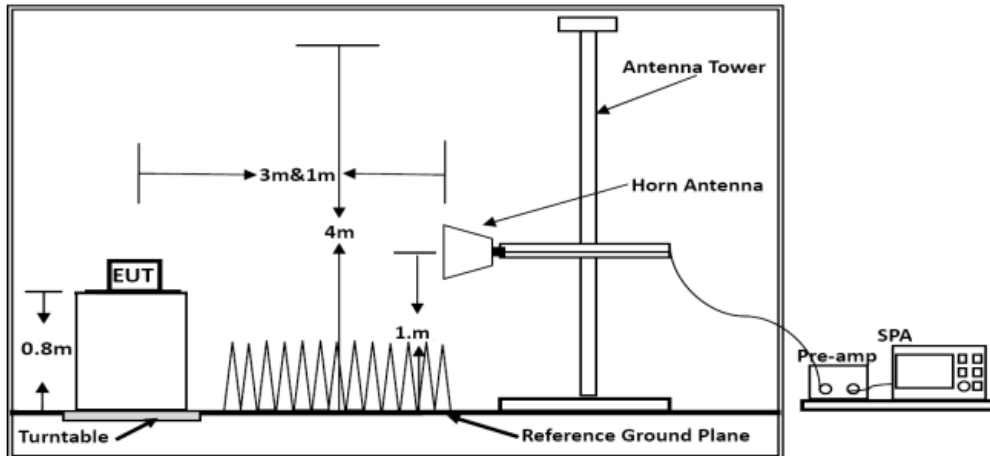
5. TEST RESULTS

5.1. RADIATED EMISSION MEASUREMENT

5.1.1. Block Diagram of Test Setup



Below 1GHz



Above 1GHz





5.1.2. Test Standard

EN 55032:2015/A11:2020 Class B

All emanations from a class B device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified below:

Limits for Radiated Emission Below 1GHz			
Frequency (MHz)	Distance (Meters)	Field Strengths Limit (dB μ V/m)	
30 ~ 230	3	40	
230 ~ 1000	3	47	
***Note: (1) The smaller limit shall apply at the combination point between two frequency bands. (2) Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the EUT.			
Limits for Radiated Emission Above 1GHz			
Frequency (MHz)	Distance (Meters)	Peak Limit (dB μ V/m)	Average Limit (dB μ V/m)
1000 ~ 3000	3	70	50
3000 ~ 6000	3	74	54
***Note: The lower limit applies at the transition frequency.			

5.1.3. EUT Configuration on Test

The EN 55032 regulations test method must be used to find the maximum emission during emission measurement.

5.1.4. Operating Condition of EUT

5.1.4.1. Turn on the power.

5.1.4.2. Let the EUT work in the test USB and measure it.

5.1.5. Test Procedure

The EUT is placed on a turntable, which is 0.8 meter high above the ground. The turntable can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna, which is mounted on an antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. By-log antenna is used as a receiving antenna. Both horizontal and vertical polarization of the antenna is set on test.

The bandwidth of the EMI test receiver is set at RBW/VBW=120kHz/300kHz.

The frequency range from 30MHz to 1000MHz is checked.

The bandwidth of the Spectrum analyzer is set at RBW/VBW=1MHz/3MHz.

The frequency range from 1GHz to the frequency which about 5th carrier harmonic or 6GHz is checked.

5.1.6. Test Results

PASS.

Refer to attached Annex B.1



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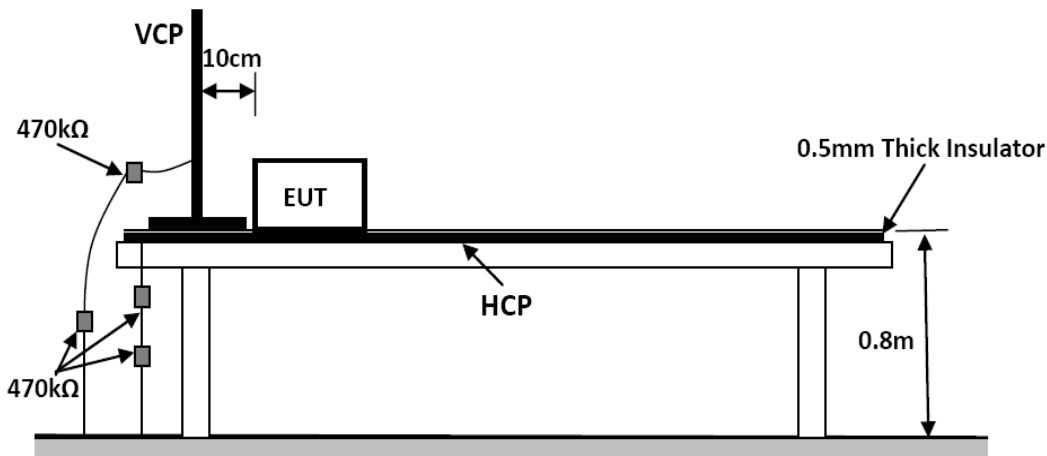
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5.2. ELECTROSTATIC DISCHARGE IMMUNITY TEST

5.2.1. Block Diagram of Test Setup



5.2.2. Test Standard

EN 55035:2017/A11:2020 (EN 61000-4-2:2009, Severity Level: 3 / Air Discharge: $\pm 8\text{KV}$, Level: 2 / Contact Discharge: $\pm 4\text{KV}$)

5.2.3. Severity Levels and Performance Criterion

5.2.3.1. Severity level

Level	Test Voltage Contact Discharge (KV)	Test Voltage Air Discharge (KV)
1	± 2	± 2
2	± 4	± 4
3	± 6	± 8
4	± 8	± 15
X	Special	Special

5.2.3.2. Performance Criterion

Performance Criterion: B

5.2.4. EUT Configuration on Test

The configuration of EUT is listed in Section 5.2.1.

5.2.5. Operating Condition of EUT

Same as radiated emission measurement, which is listed in Section 5.1.4. Except the test set up replaced by Section 5.2.1.





5.2.6. Test Procedure

5.2.6.1. Air Discharge

This test is done on a non-conductive surfaces. The round discharge tip of the Electrostatic Discharge simulator shall be approached as fast as possible then to touch the EUT. After each discharge, the simulator shall be removed from the EUT. The simulator is then re-triggered for a new single discharge and repeated 25 times for each pre-selected test point. This procedure shall be repeated until all the air discharge completed

5.2.6.2. Contact Discharge

All the procedure shall be same as air discharge, except using the acute discharge tip. The top end of the Electrostatic Discharge simulator is touch the EUT all the time when the simulator is re-triggered for a new single discharge and repeated 25 times for each pre-selected test point.

5.2.6.3. Indirect Discharge For Horizontal Coupling Plane

The vertical coupling plane(VCP) is placed 0.1m away from EUT. The top end of Electrostatic Discharge simulator should aim at the center of one border of the VCP for at least 25 times discharge.

5.2.6.4. Indirect Discharge For Vertical Coupling Plane

The top end of Electrostatic Discharge simulator should place at the point 0.1m away from EUT on the horizontal coupling plane(HCP). At least 25 times discharge should be done for every pre-selected point around EUT.

Record any performance degradation of the EUT during the test and judge the test result according to ce criterion.

5.2.7. Test Results

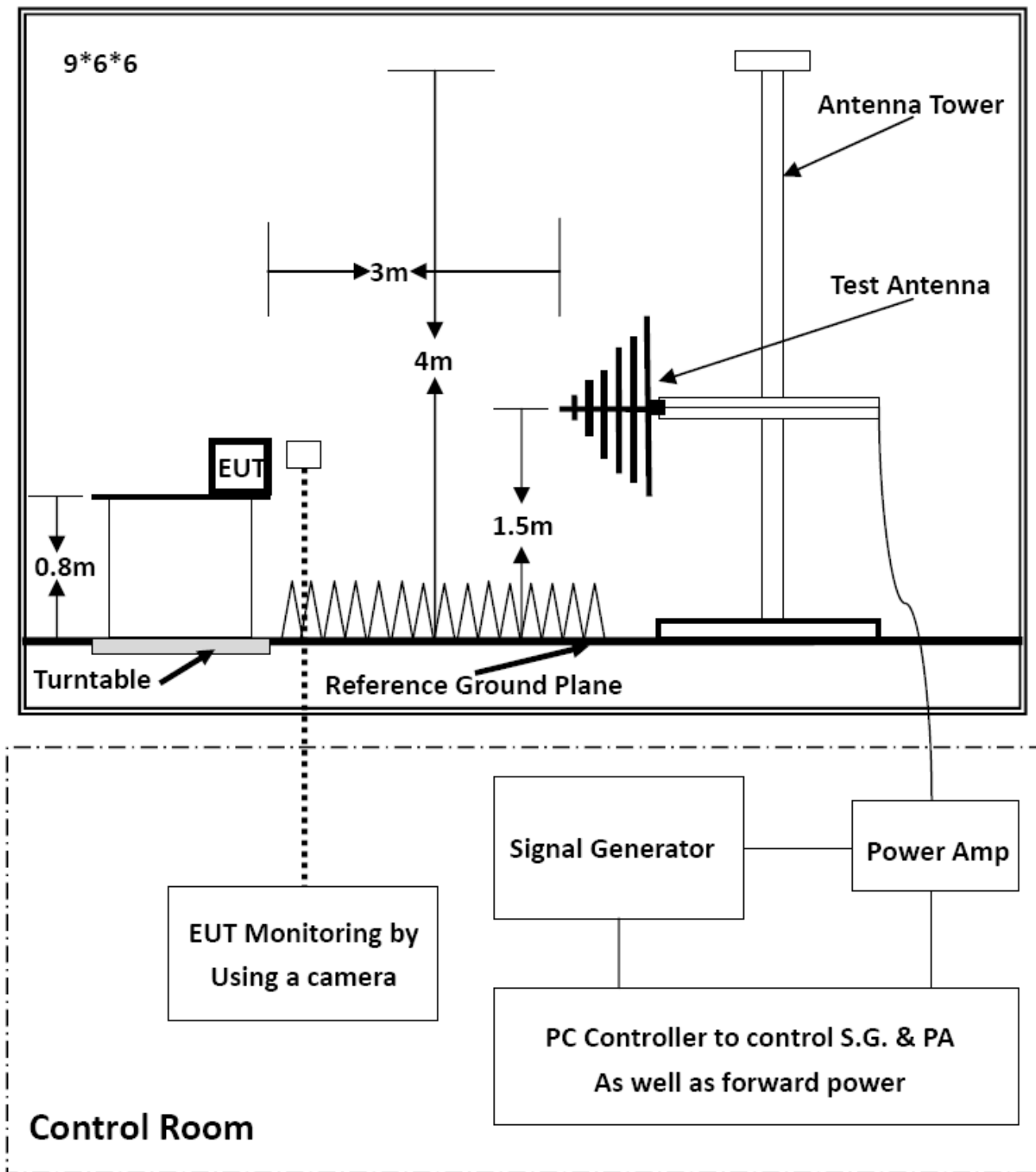
PASS.

Refer to attached Annex B.2



5.3. RF FIELD STRENGTH SUSCEPTIBILITY TEST

5.3.1. Block Diagram of Test Setup





5.3.2. Test Standard

EN 55035:2017/A11:2020 (EN IEC 61000-4-3:2020 Severity Level: 2, 3V/m)

5.3.3. Severity Levels and Performance Criterion

5.3.3.1. Severity level

Level	Field Strength (V/m)
1	1
2	3
3	10
X	Special

5.3.3.2. Performance Criterion

Performance Criterion: A

5.3.4. EUT Configuration on Test

The configuration of EUT is listed in Section 5.3.1.

5.3.5. Operating Condition of EUT

Same as radiated emission measurement, which is listed in Section 5.1.4, except the test setup replaced as Section 5.3.1.

5.3.6. Test Procedure

The EUT are placed on a table, which is 0.8 meter high above the ground. The EUT is set 3 meters away from the transmitting antenna, which is mounted on an antenna tower. Both horizontal and vertical polarization of the antenna is set on test. Each of the four sides of the EUT must be faced this transmitting antenna and measured individually. In order to judge the EUT performance, a CCD Recording is used to monitor its screen. All the scanning conditions are as following:

Condition of Test	Remark
Fielded Strength	3 V/m (Severity Level 2)
Radiated Signal	Unmodulated
Test Frequency Range (Swept Test)	80-1000MHz
Test Frequency (spot test)	1800MHz, 2600MHz, 3500MHz, 5000MHz
Dwell Time of Radiated	0.0015 decade/s
Waiting Time	3 Sec.

5.3.7. Test Results

PASS.

Refer to attached Annex B.3



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ANNEX A (Test photograph)



Test Setup Photo of Radiated Measurement (30MHz~1GHz)

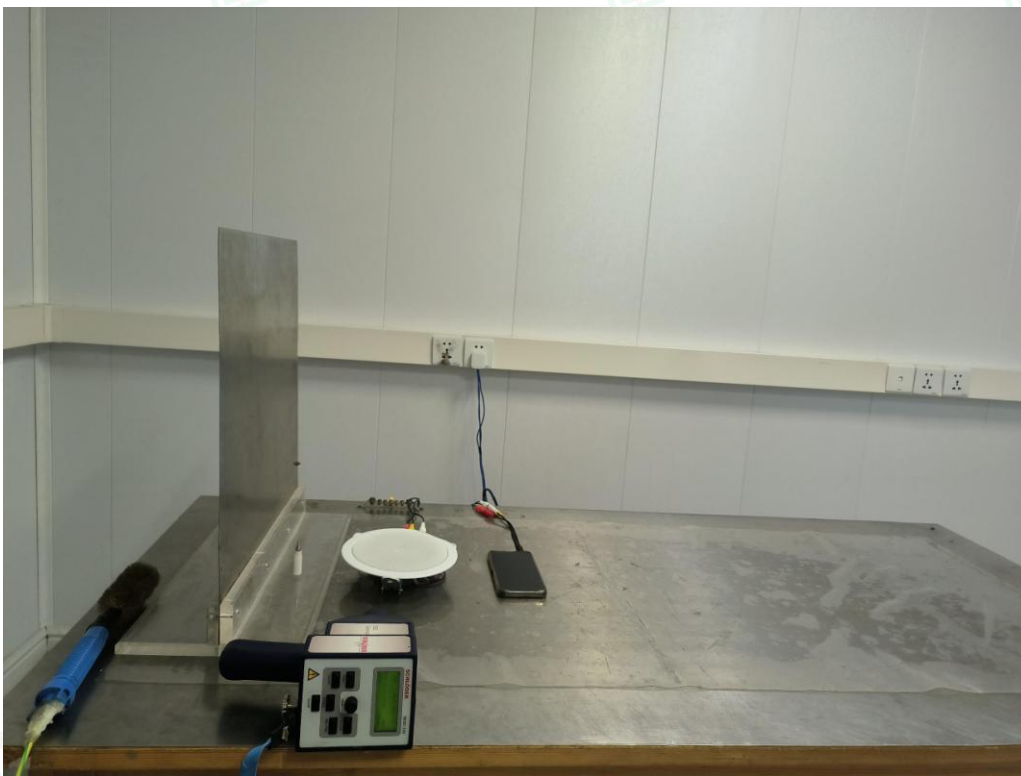
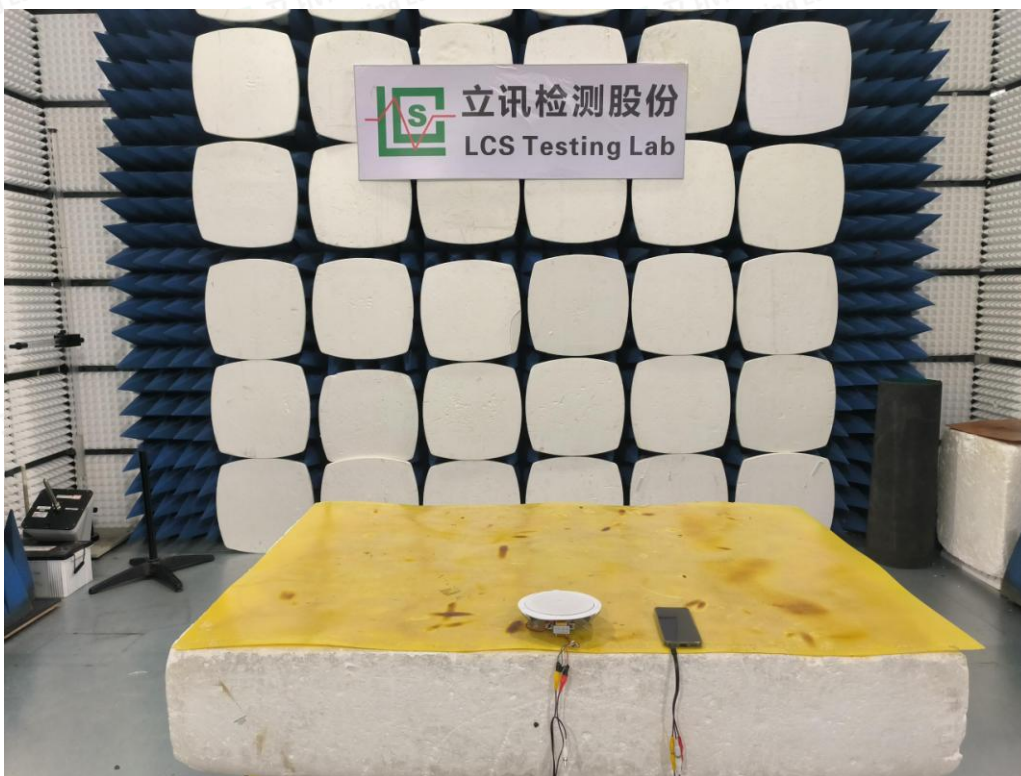


Photo of Electrostatic Discharge Test





Test Setup Photo of RF Field Strength Susceptibility





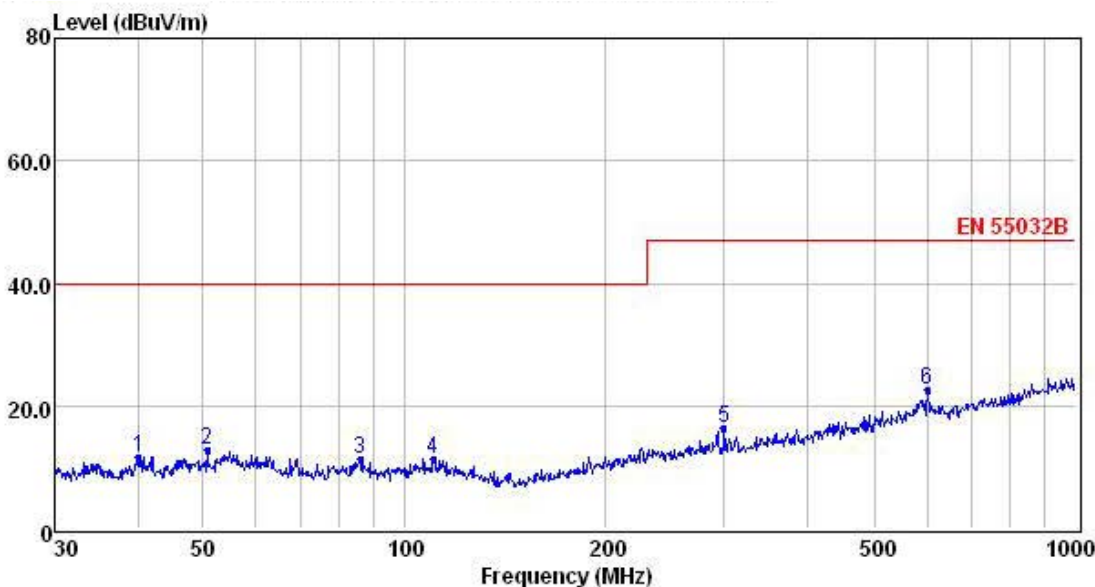
ANNEX B

(Emission and Immunity test results)

B.1 Radiated Disturbance Test Results (30MHz to 1000MHz)

Environmental Conditions:	22.3°C, 53%RH
Test Voltage:	DC
Test Model:	T-205A
Test Mode:	Working
Test Engineer:	Jeams Peng
Pol:	Vertical

Detailed results are shown below



	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	40.13	-0.55	0.51	11.50	11.46	40.00	-28.54	QP
2	50.76	-0.48	0.60	12.59	12.71	40.00	-27.29	QP
3	85.90	0.89	0.76	9.62	11.27	40.00	-28.73	QP
4	110.57	-0.89	0.86	11.35	11.32	40.00	-28.68	QP
5	300.37	1.24	1.32	13.70	16.26	47.00	-30.74	QP
6	601.43	1.79	1.50	19.28	22.57	47.00	-24.43	QP

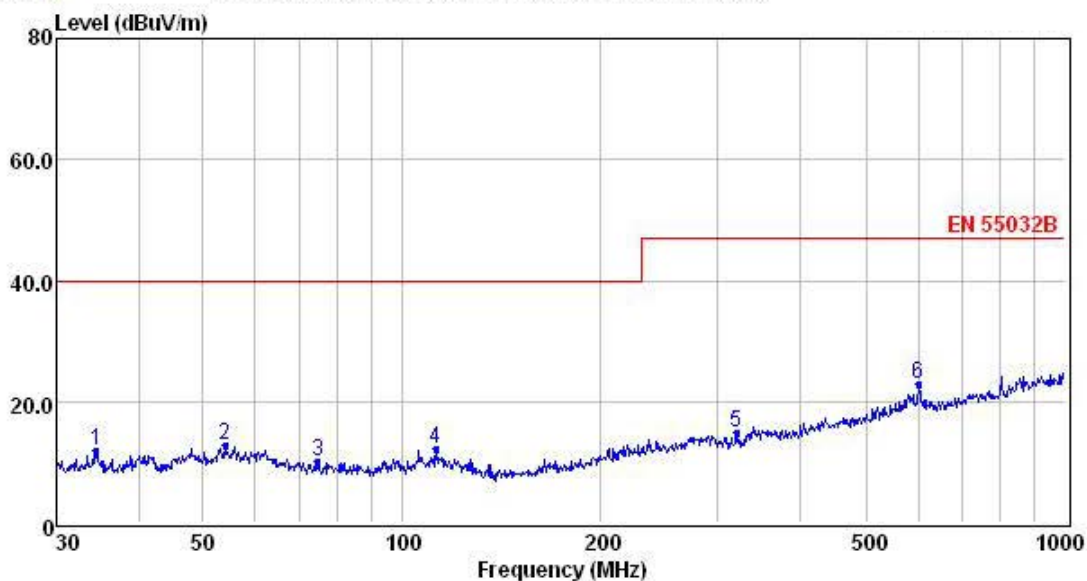
- Note: 1. All readings are Quasi-peak values.
 2. Measured= Reading + Antenna Factor + Cable Loss
 3. The emission that are 20db below the official limit are not reported





Environmental Conditions:	22.3°C, 53%RH
Test Voltage:	DC
Test Model:	T-205A
Test Mode:	Working
Test Engineer:	Jeams Peng
Pol:	Horizontal

Detailed results are shown below



	Freq	Reading	CabLos	Antfac	Measured	Limit	Over	Remark
	MHz	dBuV	dB	dB/m	dBuV/m	dBuV/m	dB	
1	34.52	0.50	0.45	10.87	11.82	40.00	-28.18	QP
2	54.07	-0.43	0.62	12.56	12.75	40.00	-27.25	QP
3	74.66	-0.73	0.72	10.01	10.00	40.00	-30.00	QP
4	112.52	0.04	0.87	11.19	12.10	40.00	-27.90	QP
5	321.06	0.02	1.34	13.53	14.89	47.00	-32.11	QP
6	601.43	1.98	1.50	19.28	22.76	47.00	-24.24	QP

Note: 1. All readings are Quasi-peak values.

2. Measured= Reading + Antenna Factor + Cable Loss

3. The emission that are 20db below the official limit are not reported



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**B.2 ELECTROSTATIC DISCHARGE IMMUNITY TEST****Electrostatic Discharge Test Results**

Standard	<input type="checkbox"/> IEC 61000-4-2 <input checked="" type="checkbox"/> EN 61000-4-2		
Applicant	Guangdong Baolun Electronics Co., Ltd.		
EUT	volume controller ceiling speaker	Temperature	22.3°C
M/N	T-205A	Humidity	54.3%
Criterion	B	Pressure	1021mbar
Test Mode	Working	Test Engineer	Jeams Peng

Air Discharge

Test Points	Test Levels			Results		
	± 2kV	± 4kV	± 8kV	Passed	Fail	Performance Criterion
Front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Back	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Top	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Bottom	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B

Contact Discharge

Test Points	Test Levels		Results		
	± 2 kV	±4 kV	Passed	Fail	Performance Criterion
Front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Back	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Top	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Bottom	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B

Discharge To Horizontal Coupling Plane

Side of EUT	Test Levels		Results		
	± 2 kV	± 4 kV	Passed	Fail	Performance Criterion
Front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Back	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B

Discharge To Vertical Coupling Plane

Side of EUT	Test Levels		Results		
	± 2 kV	± 4 kV	Passed	Fail	Performance Criterion
Front	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Back	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Left	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B
Right	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/> A <input checked="" type="checkbox"/> B



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B.3 RF FIELD STRENGTH SUSCEPTIBILITY TEST

RF Field Strength Susceptibility Test Results

Standard	<input type="checkbox"/> IEC 61000-4-3 <input checked="" type="checkbox"/> EN 61000-4-3		
Applicant	Guangdong Baolun Electronics Co., Ltd.		
EUT	volume controller ceiling speaker	Temperature	23.2°C
M/N	T-205A	Humidity	53.3%
Field Strength	3 V/m	Criterion	A
Test Mode	Working	Test Engineer	Jeams Peng
Test Frequency	80MHz to 1000MHz (Swept Test) 1800MHz, 2600MHz, 3500MHz, 5000MHz (spot test)		
Modulation	<input type="checkbox"/> None <input type="checkbox"/> Pulse <input checked="" type="checkbox"/> AM 1KHz 80%		
Steps	1%		

	Horizontal	Vertical
Front	PASS	PASS
Right	PASS	PASS
Rear	PASS	PASS
Left	PASS	PASS

Note:



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ANNEX C

(External and internal photos of the EUT)



Fig. 1

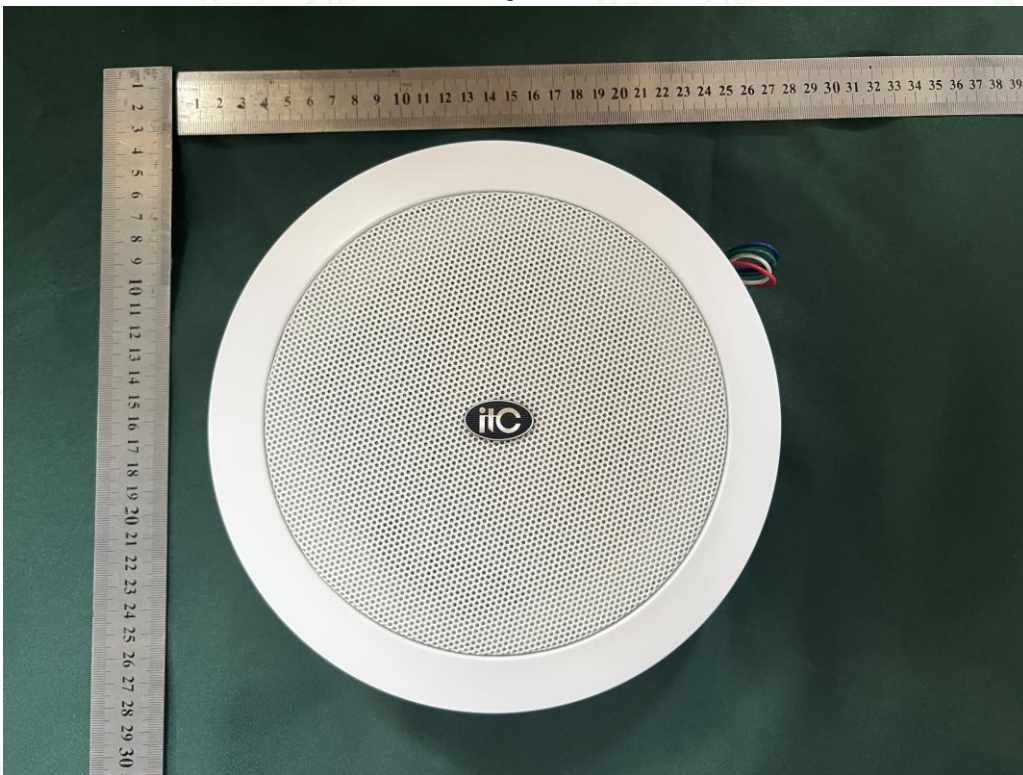


Fig. 2





Fig. 3

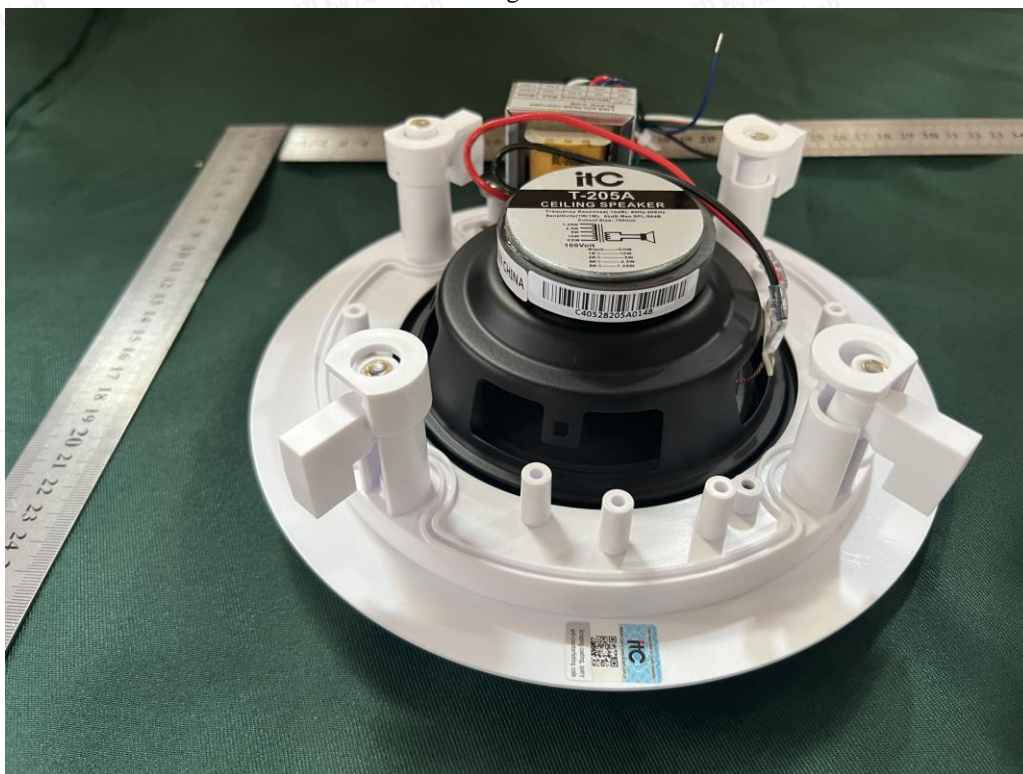


Fig. 4





Fig. 5

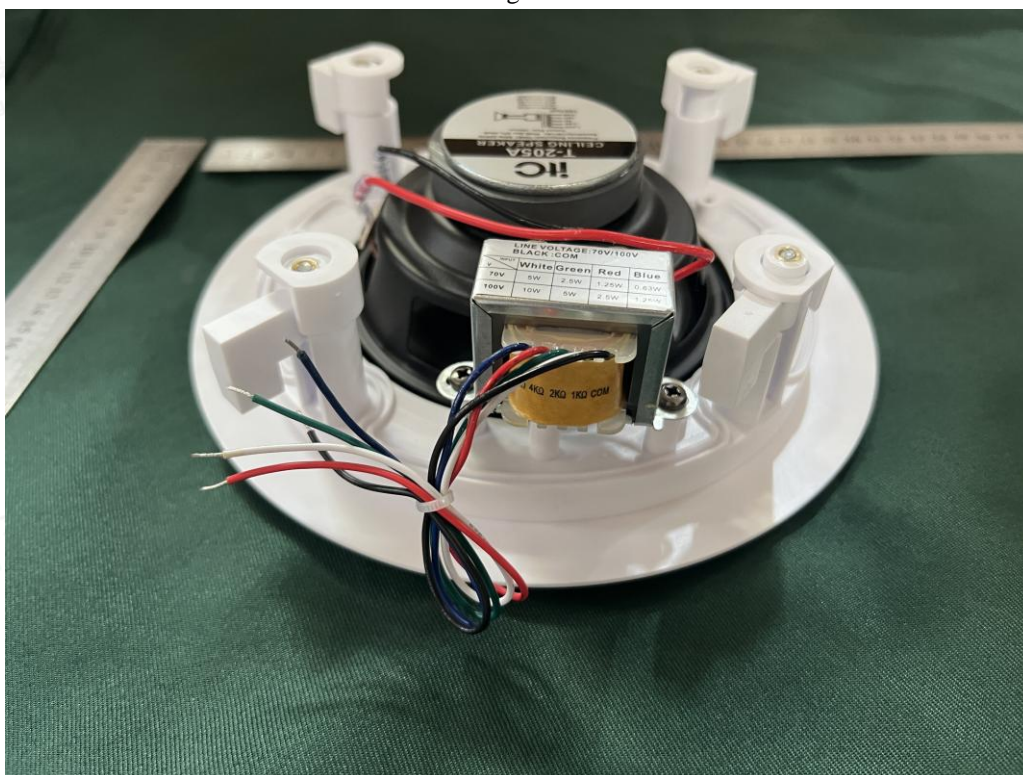


Fig. 6



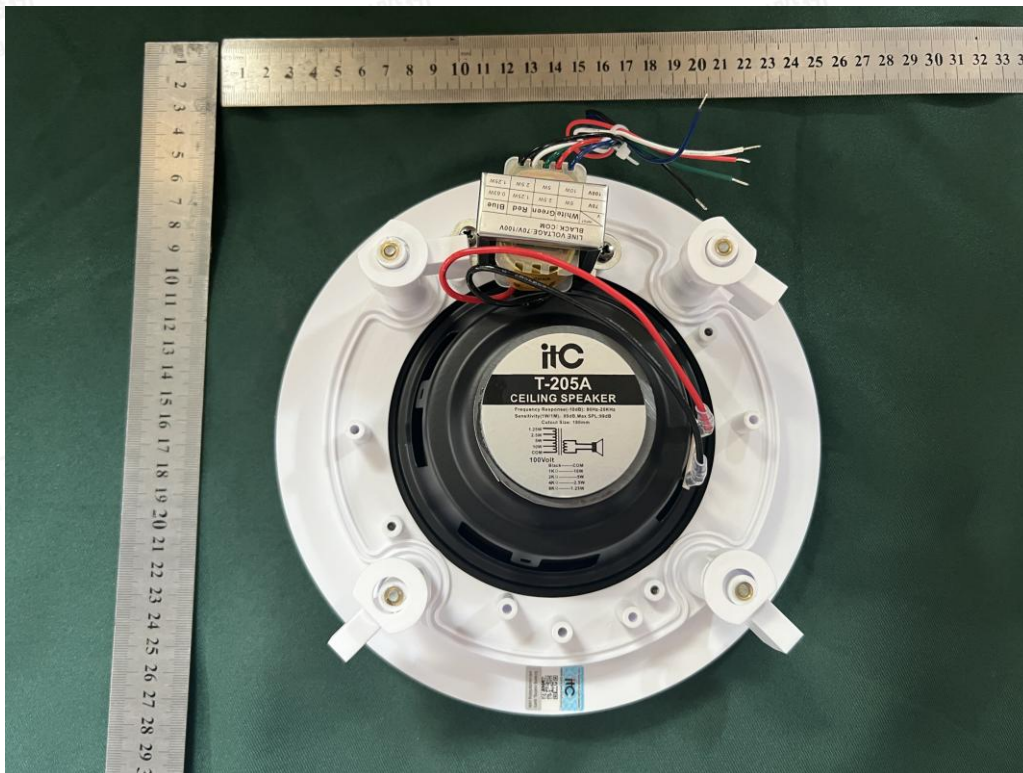


Fig. 7



Fig. 8

----- THE END OF TEST REPORT -----

