Technical Compliance Statement
EMC Test Report

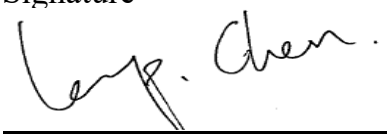
For the following information **Ref. File No.: C1D2503025**

Product	:	7198-26BK RuggedBrick Out Speaker
Model Number	:	1B118965
Applicant	:	Polyconcept GBS
Standards	:	

EN 55032:2015+A1: 2020 (CISPR 32:2015/A1: 2019), Class B
AS/NZS CISPR32:2015+A1:2020

We hereby certify that the above product has been tested by us with the listed standards and found in compliance with the council EMC directive 2014/30/EU. The test data and results are issued on the EMC test report No. **ACI-C25001.**

Signature



KAMP CHEN / Manager
Date: 2025.03.24

Test Laboratory:
Audix Technology (Shanghai) Co., Ltd.
NVLAP Lab Code: 200371-0
Web Site: www.audixtech.com

The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo

EMC TEST REPORT

for

Polyconcept GBS

7198-26BK RuggedBrick Out Speaker

Model No: 1B118965

Prepared For: Polyconcept GBS
Room 301-303, Zhongshan Wanbo International Center,
No. 666 Huaihai West Road, Changning District, Shanghai
200052 China

Prepared By: Audix Technology (Shanghai) Co., Ltd.
3F and4F, 34Bldg 680 Guiping Rd.,
Caohejing Hi-Tech Park,
Shanghai200233, China

Tel: +86-21-64955500

TESTING
NVLAP LAB CODE 200371-0

File No : C1D2503025
Report Number : ACI-C25001
Date of Test : 2025.03.16-18
Date of Report : 2025.03.24

The statement is based on a single evaluation of one sample of the above-mentioned products. It does not imply an assessment of the whole production and does not permit the use of the test lab logo.
The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the U.S. Government.

TABLE OF CONTENTS

TEST REPORT

Applicant	:	Polyconcept GBS
EUT Description	:	7198-26BK RuggedBrick Out Speaker
		(A) Model No. : Refer to Sec.2.1
		(B) Power Supply : DC (Battery)
		(C)Test Voltage : 230V/50Hz to adapter

Test Standard Used:

EN 55032:2015+A1: 2020 (CISPR 32:2015/A1: 2019), Class B
AS/NZS CISPR32:2015+A1:2020

The device described above is tested by Audix Technology (Shanghai) Co., Ltd. to determine the maximum emission levels emanating from the device and the severity levels of the device can endure and its performance criterion. The test results are contained in this test report and Audix Technology (Shanghai) Co., Ltd. Is assumed full responsibility for the accuracy and completeness of all these testing. This report shows that the EUT (Equipment Under Test) is technically compliance with the EN 55032 requirements also.

This report is applied to above tested sample only and shall not be reproduced in part without written approval of Audix Technology (Shanghai) Co., Ltd.

Date of Test : 2025.03.16-18 Date of Report : 2025.03.24

Producer : Huimin Yan
HUIMIN YAN / Assistant

Review : Lvy lv
LVY LV / Deputy Assistant Manager

AUDIX® For and on behalf of
Audix Technology (Shanghai) Co., Ltd.

Signatory : Kamp. Chen.
Authorized Signature(s)
KAMP CHEN/Manager

1 SUMMARY OF STANDARDS AND RESULTS

1.1 Description of Standards and Results

The result is determined according to the decision rules of customer selection in the ASC-403 application service form.
1. According to IEC GUIDE 115 Procedure 2 and ILAC-G8, the uncertainties value is not used in determining the PASS/FAIL results.
2. If the required specification or standard already contains the decision rules, it will be carried out in accordance with the regulations or standard documents or the requirements of the competent units. If the required specification or standard does not contain a decision rule, the same paragraph 1.
3. If your company has a required decision rule, it will be implemented in accordance with the requirements and ISO/IEC Guide 98-4 specifications.
The EUT have been tested according to the applicable standards as referenced below:

EMISSION			
Description of Test Item	**Standard**	**Limits**	**Results**
Conducted Disturbance at the Mains Terminal	EN 55032:2015+A1: 2020 (CISPR 32:2015/A1: 2019) AS/NZS CISPR32:2015+A1:2020	Class B	**Pass** Margin 9.75dB at 0.573MHz
Conducted Common Mode Disturbance at Telecommunication Port	EN 55032:2015+A1: 2020 (CISPR 32:2015/A1: 2019) AS/NZS CISPR32:2015+A1:2020	N/A	**N/A** **Note1**
Radiated Disturbance (Below 1GHz)	EN 55032:2015+A1: 2020 (CISPR 32:2015/A1: 2019) AS/NZS CISPR32:2015+A1:2020	Class B	**Pass** Margin 4.15dB at 56.805MHz (Vertical, 1.90m/ 60°) **Note2**
Radiated Disturbance (Above1GHz)	EN 55032:2015+A1: 2020 (CISPR 32:2015/A1: 2019) AS/NZS CISPR32:2015+A1:2020	Class B	**Pass** Margin21.11dB at 1303.750MHz
Note 1- N/A is an abbreviation for Not Applicable. Note 2- 0° was the table front facing the antenna. Degree is calculated from 0° clockwise facing the antenna.			

2 GENERAL INFORMATION

2.1 Description of EUT

Description	:	7198-26BK RuggedBrick Out Speaker
Date of receipt	:	2025.03.13
Model No.	:	1B118965
Work Frequency	:	2.4GHz
Applicant	:	Polyconcept GBS Room 301-303, Zhongshan Wanbo International Center, No. 666 Huaihai West Road, Changning District, Shanghai 200052 China

2.2 Peripherals

2.2.1 Adapter

Manufacturer	:	XIAOMI
Model Number	:	MDY-08-ES
Serial Number	:	4A418065201535B

2.2.2 Mobile Phone

Manufacturer	:	XIAOMI
Model Number	:	MI8

2.3 Description of Test Facility

Site:

Name of Firm	:	Audix Technology (Shanghai) Co., Ltd.
Site Location	:	3F 34Bldg 680 Guiping Rd, Caohejing Hi-Tech Park, Shanghai 200233, China
Accredited by NVLAP, Lab Code	:	200371-0

3 TEST EQUIPMENT

3.1 For Conducted Disturbance Test

Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	AMN	R&S	ESH2-Z5	843890/011	2025/2/22	1 Year
2.	LISN	Kyoritsu	KNW-407	8-1280-5	2025/2/22	1 Year
3.	Fixed Attenuator	SHYL	TTS-1	001	2025/2/22	1 Year
4.	Impedance	/	BNC/50Ohm	002	2025/2/22	1 Year
5.	Test Receiver	R&S	ESCI	101302	2025/2/22	1 Year
6.	CE Cable+Coaxial Switch (0.09-300MH)	Audix+ ANRITSU	CE Cable+ MP59B	CE-SH1-001+ 6200655085	2025/2/22	1 Year
7.	Software	Audix	e3	e3.v9.210616	——————	——————

3.2 For Radiated Disturbance Test

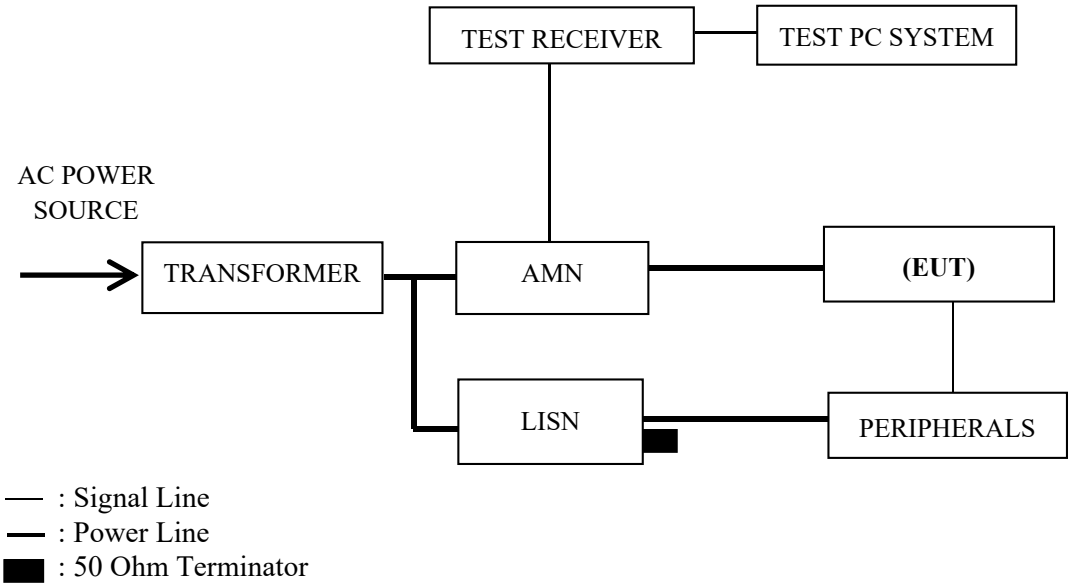
Item	Type	Manufacturer	Model No.	Serial No.	Cal. Date	Cal. Interval
1.	Bilog Antenna+6dB Attenuator	Schwarz beck	VULB 9168+EMCI-N-6-06	708+AT-0638	2025/3/8	1 Year
2.	Horn Antenna	ETS	3115	96074878	2024/8/2	1 Year
3.	Preamplifier	Agilent	8447D	2944A10548	2025/2/22	1 Year
4.	Preamplifier	HP	8449B	3008A00864	2025/2/22	1 Year
5.	EXA Signal Analyzer	Agilent	N9010A	MY52221182	2024/8/9	1 Year
6.	Test Receiver	R&S	ESCI	101303	2025/2/22	1 Year
7.	RE Cable-1m+Coaxial Switch	HARBOUR+ ANRITSU	RE Cable-1m+ MP59B	RE-1m-00x+ 6200655086	2025/2/22	1 Year
8.	RE Cable-10m+15m	SCHAFFNER	RG 212U-MIL C 17+N1K50-E W0630-N1K5 0-15m-1	RE-10m-001+ RE-15m-002	2025/2/22	1 Year
9.	Software	Audix	e3	e3.v9.210616	——————	——————

4 CONDUCTED DISTURBANCE TEST

4.1 Block Diagram of Test Setup

4.1.1 Conducted Disturbance Test Setup

4.1.1.1 For Mains Port



4.2 Applicable Standard

EN 55032:2015+A1: 2020 (CISPR 32:2015/A1: 2019) (Class B)
AS/NZS CISPR32:2015+A1:2020

4.3 Limits for Conducted Disturbance

Limits for the mains ports of class B

Frequency Range (MHz)	Limits dB (μV)	
	Quasi-peak	Average
0.15 ~ 0.5	66 ~ 56	56 ~ 46
0.5 ~ 5	56	46
5 ~ 30	60	50

NOTE 1 – RF Line Voltage dB (μV) = 20 lg RF Line Voltage (μV)

NOTE 2 –The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

NOTE 3 – If the average limit is met when using a quasi-peak detector, the EUT shall be deemed to meet both limits andmeasurement with the average detector is unnecessary.

4.4 EUT Configuration

The EUT and peripherals were installed as shown on Sec.4.1.1.in Conducted Disturbance Test to meet EN 55032 (CISPR 32) (Class B) requirement and operating in a manner which tends to maximize its disturbance level in a normal application.

4.5 Operating Condition of EUT

4.5.1 Setup the EUT and peripherals as shown in Sec. 4.1.

4.5.2 Turn on the power of all equipment and the EUT.

4.5.3 Set the EUT on the test modes, and then test.

4.5.4 The test modes refer to Sec. 4.7.

4.6 Test Procedure

The EUT and peripherals were placed upon a non-metallic table, which is 0.8 m above the horizontal conducting ground plane and 0.4 m from a vertical reference plane. The EUT was connected to the power mains through an Artificial Mains Network (AMN) to provide a 50 Ω coupling impedance for the measuring equipment. Both sides of AC line (Line & Neutral) were checked to find out the maximum conducted emission according to EN 55032 (Class B) regulations during conducted disturbance test.

The I.F. bandwidth of R & S Test Receiver ESCI was set at 9 kHz.

The frequency range from 150 kHz to 30 MHz was checked.

The test mode was done on conducted disturbance test and all the test results are listed in Sec. 4.7.

4.7 Test Results

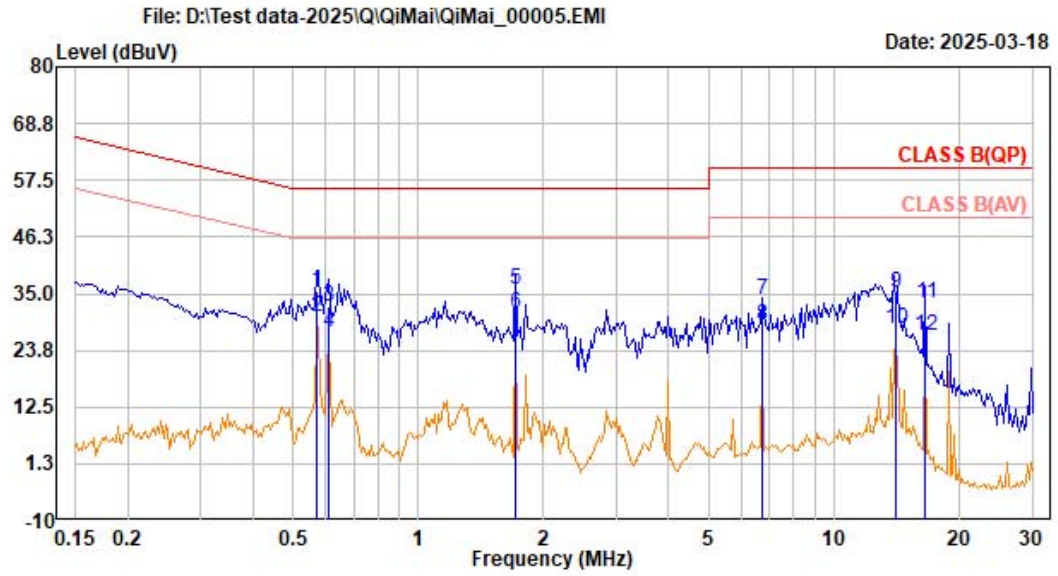
<PASS>

The frequency range is swept from 150 kHz to 30 MHz.

All the following records are the disturbance levels and the frequencies of the highest disturbances, and if the emissions not reported below are too low against the prescribed limits.

NOTE 1 – “QP” means “Quasi-Peak” values.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,
CaoHeJing Hi-Tech Park,
Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



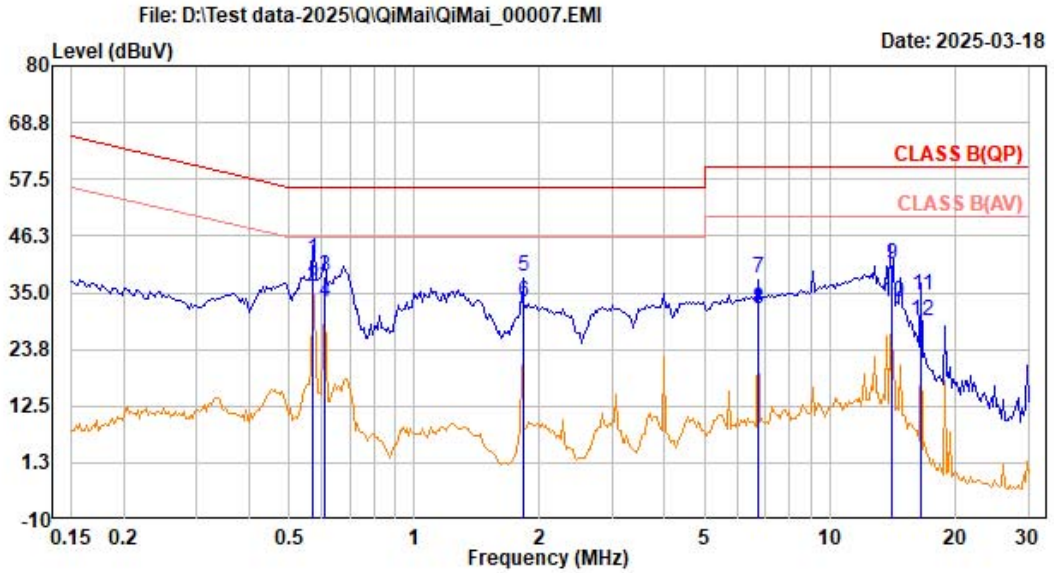
Site no. : Audix (Shanghai) Shielded 1
AMN : ESH2-Z5-2025
Limit : CLASS B(QP)
Env. / Ins. : 26'C 61%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & BT Speaking

Data no. : 5
Phase : Line
Engineer : Avalon

.	Freq (MHz)	AMN. Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.572	0.20	0.12	9.50	25.82	35.64	56.00	20.36	QP
2	0.572	0.20	0.12	9.50	20.53	30.35	46.00	15.65	Average
3	0.609	0.20	0.13	9.50	22.75	32.58	56.00	23.42	QP
4	0.609	0.20	0.13	9.50	17.56	27.39	46.00	18.61	Average
5	1.717	0.25	0.14	9.50	25.86	35.75	56.00	20.25	QP
6	1.717	0.25	0.14	9.50	21.13	31.02	46.00	14.98	Average
7	6.706	0.21	0.18	9.50	23.77	33.66	60.00	26.34	QP
8	6.706	0.21	0.18	9.50	18.85	28.74	50.00	21.26	Average
9	14.020	0.38	0.22	9.51	25.05	35.16	60.00	24.84	QP
10	14.020	0.38	0.22	9.51	17.84	27.95	50.00	22.05	Average
11	16.600	0.44	0.23	9.51	22.90	33.08	60.00	26.92	QP
12	16.600	0.44	0.23	9.51	16.44	26.62	50.00	23.38	Average

Remark: 1.Emission Level = AMN Factor + Cable loss + Pulse Att. + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,
CaoHeJing Hi-Tech Park,
Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



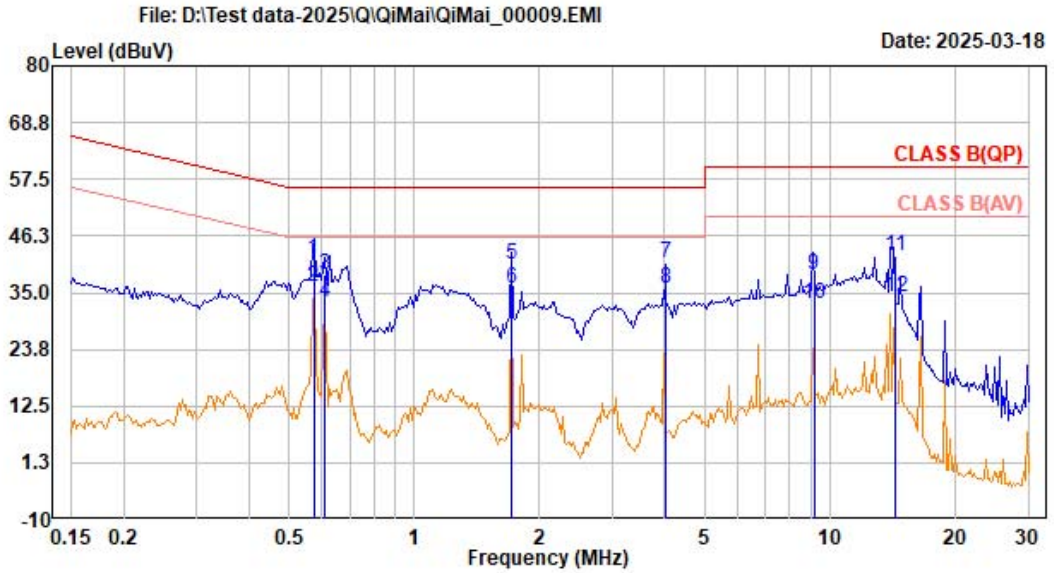
Site no. : Audix (Shanghai) Shielded 1
AMN : ESH2-Z5-2025
Limit : CLASS B(QP)
Env. / Ins. : 26'C 61%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & BT Speaking

Data no. : 7
Phase : Neutral
Engineer : Avalon

.	Freq (MHz)	AMN. Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.573	0.20	0.12	9.50	31.80	41.62	56.00	14.38	QP
2	0.573	0.20	0.12	9.50	26.43	36.25	46.00	9.75	Average
3	0.609	0.20	0.13	9.50	28.49	38.32	56.00	17.68	QP
4	0.609	0.20	0.13	9.50	23.35	33.18	46.00	12.82	Average
5	1.829	0.20	0.14	9.50	28.35	38.19	56.00	17.81	QP
6	1.829	0.20	0.14	9.50	23.44	33.28	46.00	12.72	Average
7	6.707	0.20	0.18	9.50	28.14	38.02	60.00	21.98	QP
8	6.707	0.20	0.18	9.50	21.86	31.74	50.00	18.26	Average
9	14.020	0.38	0.22	9.51	30.65	40.76	60.00	19.24	QP
10	14.020	0.38	0.22	9.51	22.89	33.00	50.00	17.00	Average
11	16.600	0.44	0.23	9.51	24.27	34.45	60.00	25.55	QP
12	16.600	0.44	0.23	9.51	19.13	29.31	50.00	20.69	Average

Remark: 1.Emission Level = AMN Factor + Cable loss + Pulse Att. + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,
CaoHeJing Hi-Tech Park,
Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



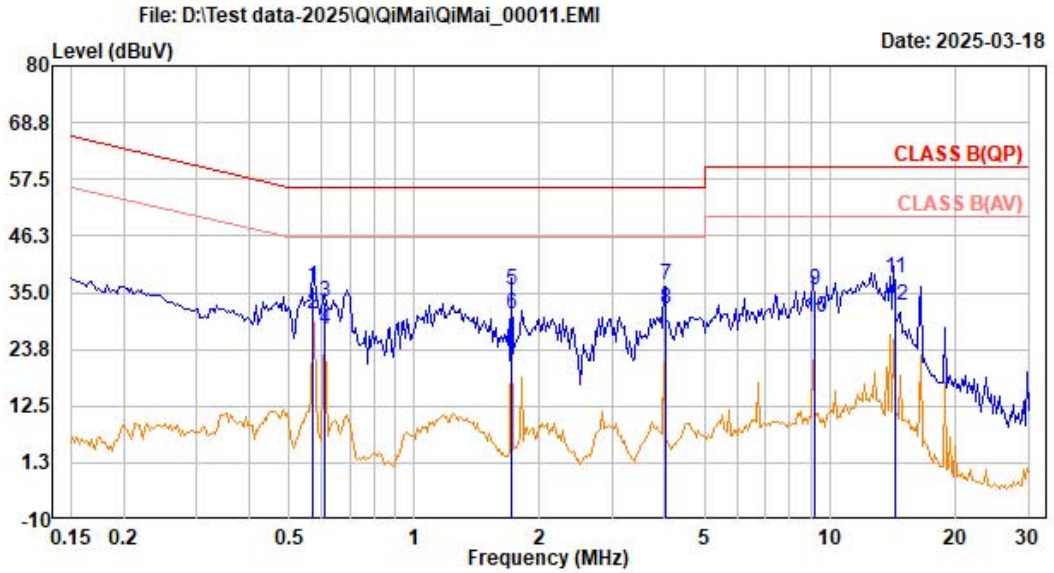
Site no. : Audix (Shanghai) Shielded 1
AMN : ESH2-Z5-2025
Limit : CLASS B(QP)
Env. / Ins. : 26'C 61%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & Aux Speaking

Data no. : 9
Phase : Neutral
Engineer : Avalon

.	Freq (MHz)	AMN. Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.573	0.20	0.12	9.50	31.71	41.53	56.00	14.47	QP
2	0.573	0.20	0.12	9.50	26.32	36.14	46.00	9.86	Average
3	0.610	0.20	0.13	9.50	28.76	38.59	56.00	17.41	QP
4	0.610	0.20	0.13	9.50	23.32	33.15	46.00	12.85	Average
5	1.716	0.20	0.14	9.50	30.71	40.55	56.00	15.45	QP
6	1.716	0.20	0.14	9.50	26.09	35.93	46.00	10.07	Average
7	4.007	0.20	0.16	9.50	31.16	41.02	56.00	14.98	QP
8	4.007	0.20	0.16	9.50	26.12	35.98	46.00	10.02	Average
9	9.143	0.27	0.19	9.50	28.74	38.70	60.00	21.30	QP
10	9.143	0.27	0.19	9.50	22.91	32.87	50.00	17.13	Average
11	14.310	0.39	0.22	9.51	32.19	42.31	60.00	17.69	QP
12	14.310	0.39	0.22	9.51	24.14	34.26	50.00	15.74	Average

Remark: 1.Emission Level = AMN Factor + Cable loss + Pulse Att. + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,
CaoHeJing Hi-Tech Park,
Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



Site no. : Audix (Shanghai) Shielded 1
AMN : ESH2-Z5-2025
Limit : CLASS B(QP)
Env. / Ins. : 26'C 61%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & Aux Speaking

Data no. : 11
Phase : Line
Engineer : Avalon

.	Freq (MHz)	AMN. Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBuV)	Emission Level (dBuV)	Limits (dBuV)	Margin (dB)	Remark
1	0.572	0.20	0.12	9.50	26.39	36.21	56.00	19.79	QP
2	0.572	0.20	0.12	9.50	21.10	30.92	46.00	15.08	Average
3	0.610	0.20	0.13	9.50	23.26	33.09	56.00	22.91	QP
4	0.610	0.20	0.13	9.50	18.00	27.83	46.00	18.17	Average
5	1.717	0.25	0.14	9.50	25.68	35.57	56.00	20.43	QP
6	1.717	0.25	0.14	9.50	20.99	30.88	46.00	15.12	Average
7	4.007	0.30	0.16	9.50	26.56	36.52	56.00	19.48	QP
8	4.007	0.30	0.16	9.50	21.85	31.81	46.00	14.19	Average
9	9.148	0.28	0.19	9.50	25.61	35.58	60.00	24.42	QP
10	9.148	0.28	0.19	9.50	19.96	29.93	50.00	20.07	Average
11	14.310	0.39	0.22	9.51	27.86	37.98	60.00	22.02	QP
12	14.310	0.39	0.22	9.51	22.30	32.42	50.00	17.58	Average

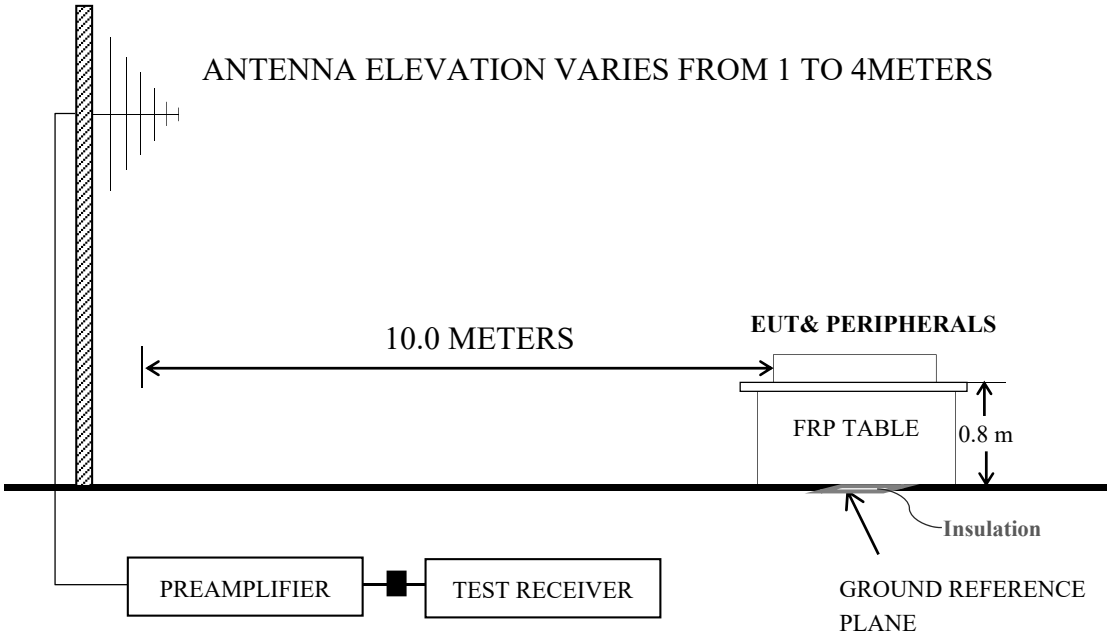
Remark: 1.Emission Level = AMN Factor + Cable loss + Pulse Att. + Reading.

5 RADIATED DISTURBANCE TEST

5.1 Block Diagram of Test Setup

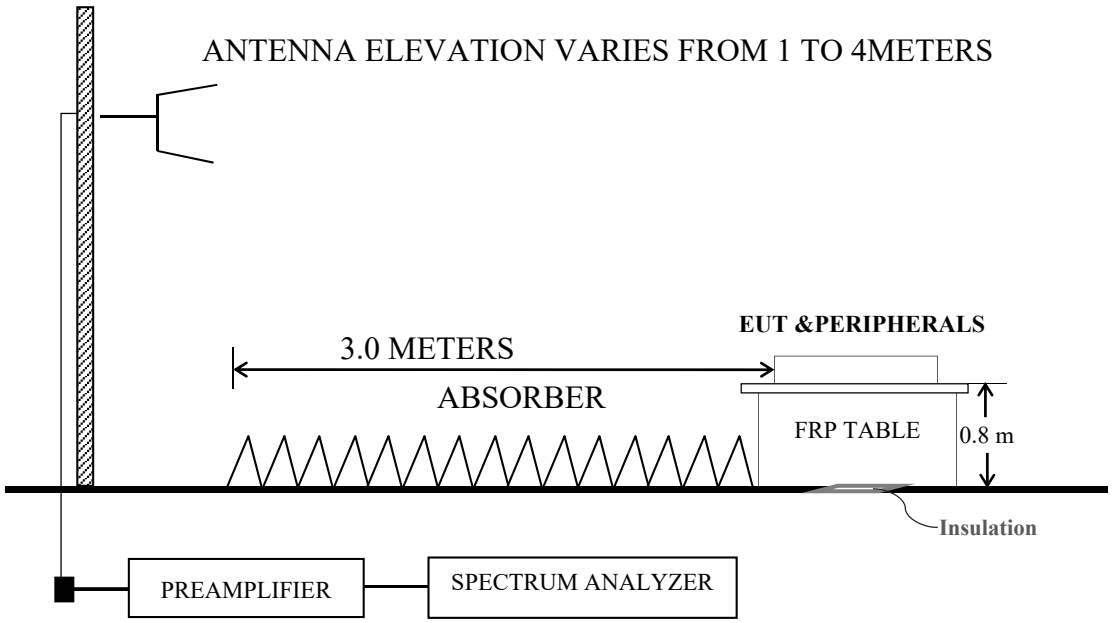
5.1.1 Radiated emission test setup

5.1.1.1 Below 1GHz



■ : 50ohm Coaxial Switch

5.1.1.2 Above 1GHz



■ : 50ohm Coaxial Switch

5.2 Applicable Standard

EN 55032:2015+A1: 2020 (CISPR 32:2015/A1: 2019) (Class B)
AS/NZS CISPR32:2015+A1:2020

5.3 Limits for Radiated Disturbance

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

Frequency (MHz)	Distance (m)	Field Strength Limits dB(μV/m)
30 ~ 230	10	30
230 ~ 1000	10	37
NOTE 1 – The tighter limit applies at the edge between two frequency bands. NOTE 2 – Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.		

Frequency (GHz)	Distance (m)	Average Limits dB(μV/m)	Peak Limits dB(μV/m)
1 ~ 6	3	54	74
NOTE – The lower limit applies at the transition frequency.			

5.4 EUT Configuration

The configuration of the EUT is same as those used in conducted disturbance test.

Refer to Sec.4.4.

5.5 Operating Condition of EUT

Same as conducted disturbance test which is listed in Sec.4.5, except for the test setup replaced by Sec.5.1.2.

5.6 Test Procedure

The EUT and peripherals were placed upon aFRPturntable0.8 m above the horizontal metal ground plane. The FRP turntable rotated 360 degrees to determine the position of the maximum emission level. The EUT was set 10 meters below 1 GHz and 3 meters above 1 GHz away from the receiving antenna, which was mounted on an antenna tower. The antenna moved up and down between 1 meter and 4 meters to find out the maximum emission level. Broadband antenna (Calibrated Bilog Antenna) or Horn Antenna was used as receiving antenna. Both horizontal and vertical polarizations of the antenna were set on measurement. In order to find the maximum emission, all of interface cables were manipulated according to EN 55032 (CISPR 32) (Class B) requirements during radiated test.

The I.F. bandwidth of Test Receiver R&S ESCI was set at 120 kHz below 1GHz and The Spectrum Agilent N9010A was set at 1MHz above 1GHz.

The frequency range from 1 GHz to 6 GHz was checked for the worst test mode.

The EUT was tested under the following resolution when it was connected to PC.

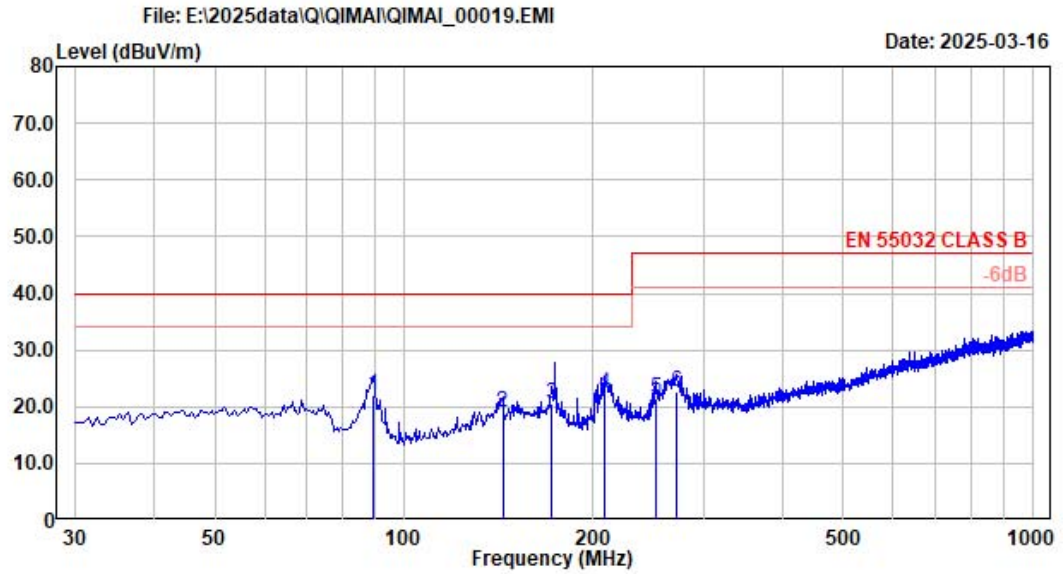
All the test results are listed in Sec.5.7.

5.7 Test Results

<PASS>

All the following records are the disturbance levels and the frequencies of the highest disturbances, and if the disturbance not reported below are too low against the limits.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,CaoHeJing
Hi-Tech Park,Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



Site no. : Audix (Shanghai) Chamber 3
Dis. / Ant. : 3m / VULB 9168-708-2025
Limit : EN 55032 CLASS B
Env. / Ins. : 22'C 49%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & AUX Speaking

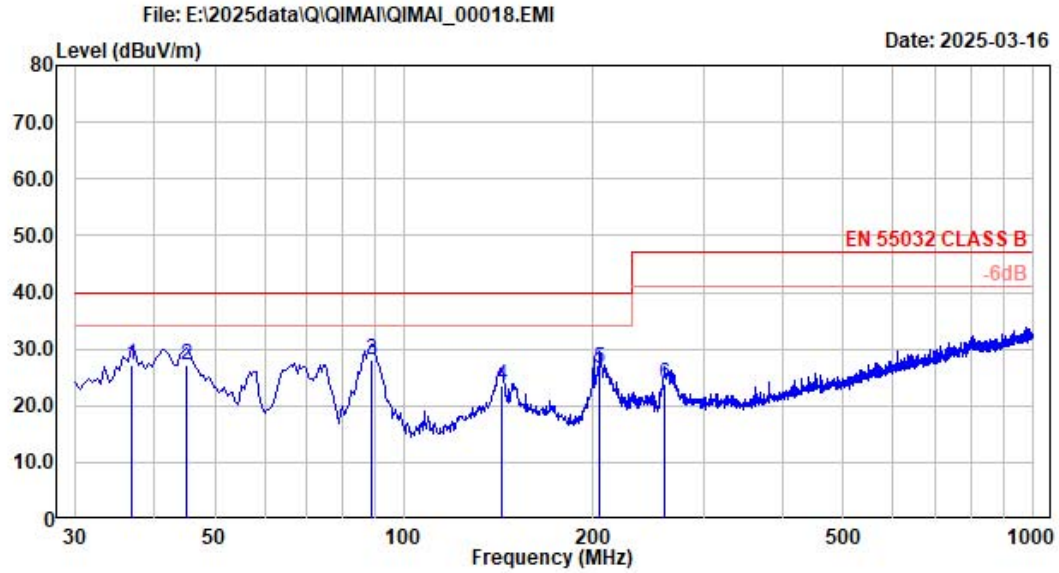
Data no. : 19
Ant. Pol. : Horizontal

Engineer : Abby

.	Freq. (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	89.170	13.60	1.11	29.45	36.79	22.05	40.00	17.95	QP
2	143.490	18.90	1.34	29.08	27.72	18.88	40.00	21.12	QP
3	172.105	18.49	1.49	29.00	29.58	20.56	40.00	19.44	QP
4	208.480	15.50	1.65	28.89	34.04	22.30	40.00	17.70	QP
5	251.645	17.80	1.83	28.84	30.51	21.30	47.00	25.70	QP
6	270.560	18.33	1.94	28.64	31.09	22.72	47.00	24.28	QP

Remarks: 1.Emission Level = Antenna Factor + Cable Loss - Preamp Factor + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,CaoHeJing
Hi-Tech Park,Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



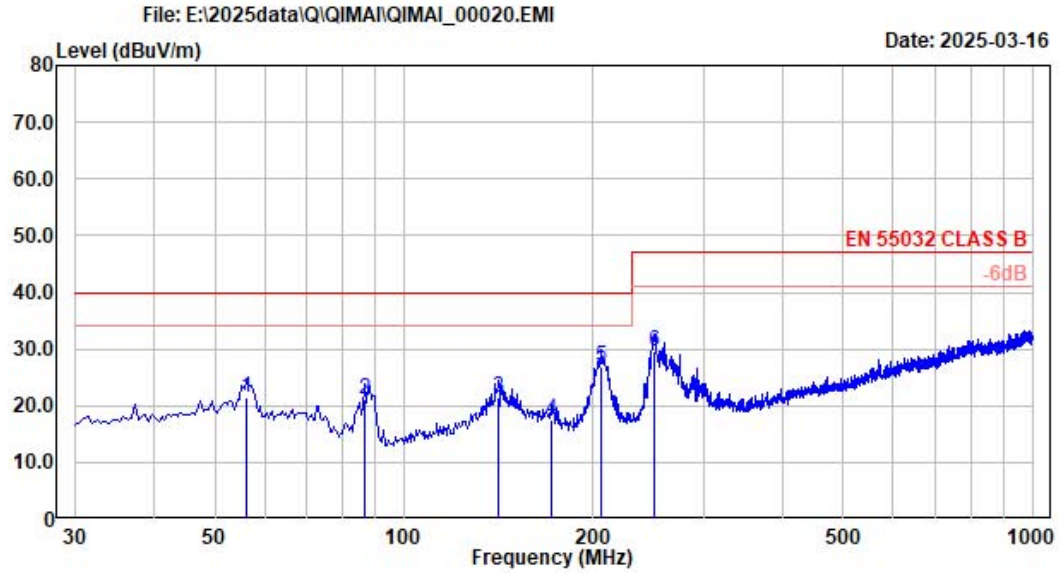
Site no. : Audix (Shanghai) Chamber 3
Dis. / Ant. : 3m / VULB 9168-708-2025
Limit : EN 55032 CLASS B
Env. / Ins. : 22'C 49%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & AUX Speaking

Data no. : 18
Ant. Pol. : Vertical
Engineer : Abby

.	Freq. (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	36.790	18.68	0.74	29.56	37.46	27.32	40.00	12.68	QP
2	45.035	19.40	0.81	29.52	36.47	27.16	40.00	12.84	QP
3	88.685	13.57	1.10	29.45	42.71	27.93	40.00	12.07	QP
4	143.005	18.90	1.34	29.09	32.55	23.70	40.00	16.30	QP
5	205.085	15.50	1.64	28.85	38.21	26.50	40.00	13.50	QP
6	259.890	17.90	1.88	28.80	32.79	23.77	47.00	23.23	QP

Remarks: 1.Emission Level = Antenna Factor + Cable Loss - Preamp Factor + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,CaoHeJing
Hi-Tech Park,Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



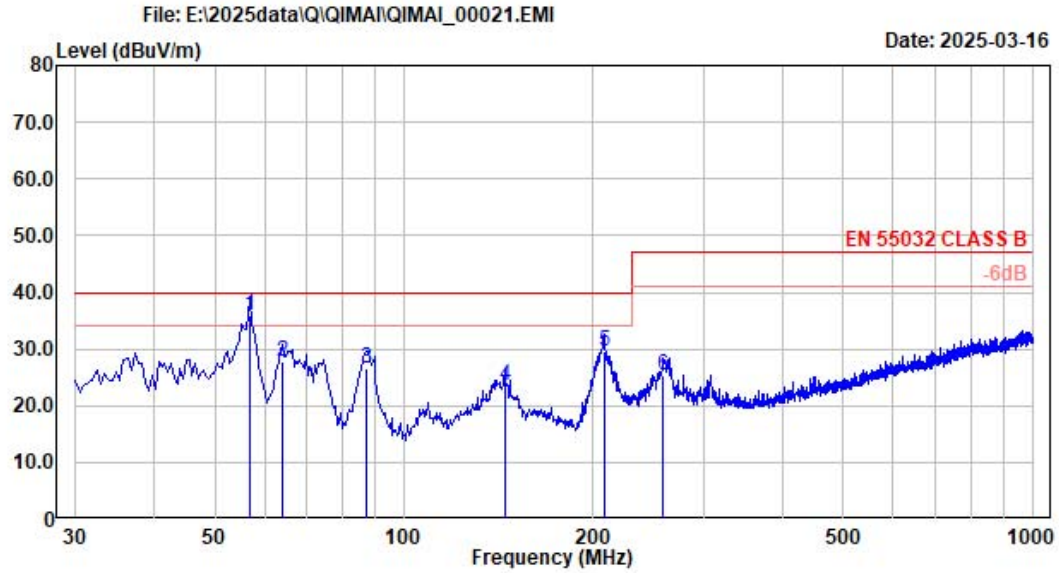
Site no. : Audix (Shanghai) Chamber 3
Dis. / Ant. : 3m / VULB 9168-708-2025
Limit : EN 55032 CLASS B
Env. / Ins. : 22'C 49%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & BT Speaking

Data no. : 20
Ant. Pol. : Horizontal
Engineer : Abby

.	Freq. (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	56.190	19.48	0.89	29.48	30.44	21.33	40.00	18.67	QP
2	86.745	13.63	1.09	29.44	35.71	20.99	40.00	19.01	QP
3	141.550	18.76	1.33	29.10	30.46	21.45	40.00	18.55	QP
4	171.620	18.54	1.48	29.00	26.35	17.37	40.00	22.63	QP
5	206.055	15.50	1.65	28.86	38.51	26.80	40.00	13.20	QP
6	250.190	17.80	1.83	28.85	38.88	29.66	47.00	17.34	QP

Remarks: 1.Emission Level = Antenna Factor + Cable Loss - Preamp Factor + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,CaoHeJing
Hi-Tech Park,Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



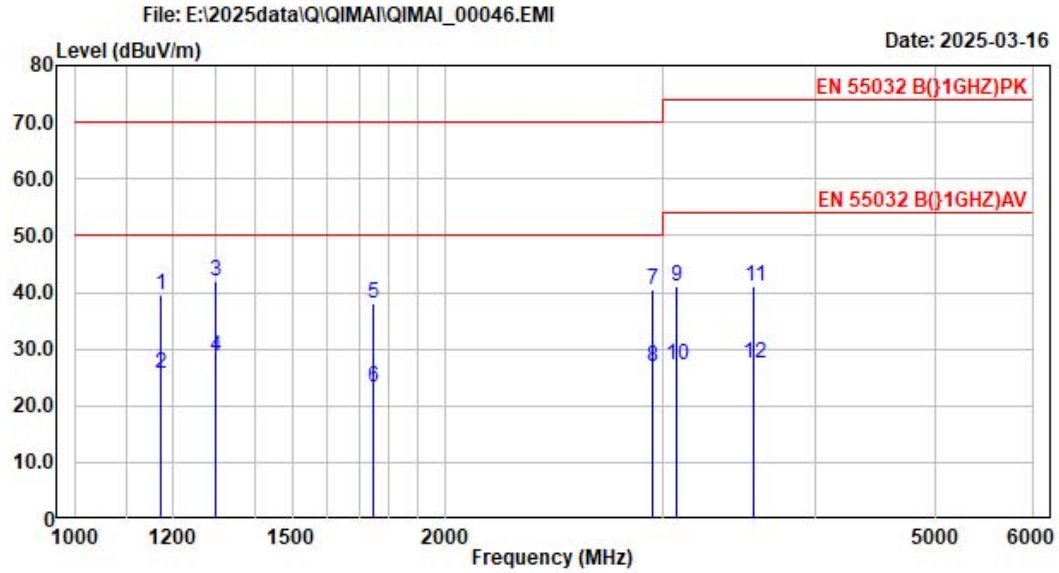
Site no. : Audix (Shanghai) Chamber 3
Dis. / Ant. : 3m / VULB 9168-708-2025
Limit : EN 55032 CLASS B
Env. / Ins. : 22'C 49%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & BT Speaking

Data no. : 21
Ant. Pol. : Vertical
Engineer : Abby

.	Freq. (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	56.805	19.42	0.89	29.47	45.01	35.85	40.00	4.15	QP
2	63.950	18.60	0.93	29.45	37.58	27.66	40.00	12.34	QP
3	87.230	13.58	1.09	29.44	41.31	26.54	40.00	13.46	QP
4	144.460	18.90	1.34	29.07	32.25	23.42	40.00	16.58	QP
5	207.995	15.50	1.65	28.88	41.31	29.58	40.00	10.42	QP
6	258.435	17.87	1.87	28.81	34.52	25.45	47.00	21.55	QP

Remarks: 1.Emission Level = Antenna Factor + Cable Loss - Preamp Factor + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,CaoHeJing
Hi-Tech Park,Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



Site no. : Audix (Shanghai) Chamber 3
Dis. / Ant. : 3m / 3115-2024
Limit : EN 55032 B(}1GHZ)PK
Env. / Ins. : 22'C 49%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & AUX Speaking

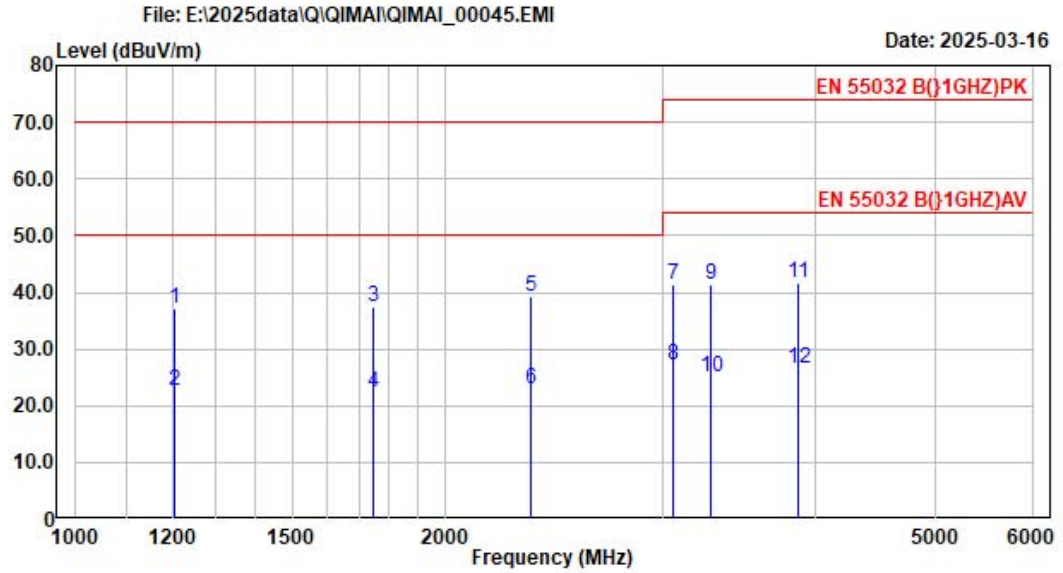
Data no. : 46
Ant. Pol. : Horizontal

Engineer : Abby

.	Freq. (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1172.500	25.30	2.23	37.16	49.03	39.40	70.00	30.60	Peak
2	1172.500	25.30	2.23	37.16	35.34	25.71	50.00	24.29	Average
3	1301.875	25.31	2.35	37.07	51.49	42.08	70.00	27.92	Peak
4	1301.875	25.31	2.35	37.07	38.21	28.80	50.00	21.20	Average
5	1744.375	27.12	2.70	36.82	44.92	37.92	70.00	32.08	Peak
6	1744.375	27.12	2.70	36.82	30.37	23.37	50.00	26.63	Average
7	2941.875	29.94	3.52	35.46	42.59	40.59	70.00	29.41	Peak
8	2941.875	29.94	3.52	35.46	28.78	26.78	50.00	23.22	Average
9	3079.375	30.72	3.62	35.46	42.20	41.08	74.00	32.92	Peak
10	3079.375	30.72	3.62	35.46	28.29	27.17	54.00	26.83	Average
11	3561.250	31.48	4.11	35.82	41.27	41.04	74.00	32.96	Peak
12	3561.250	31.48	4.11	35.82	27.70	27.47	54.00	26.53	Average

Remarks: 1.Emission Level = Antenna Factor + Cable Loss - Preamp Factor + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,CaoHeJing
Hi-Tech Park,Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



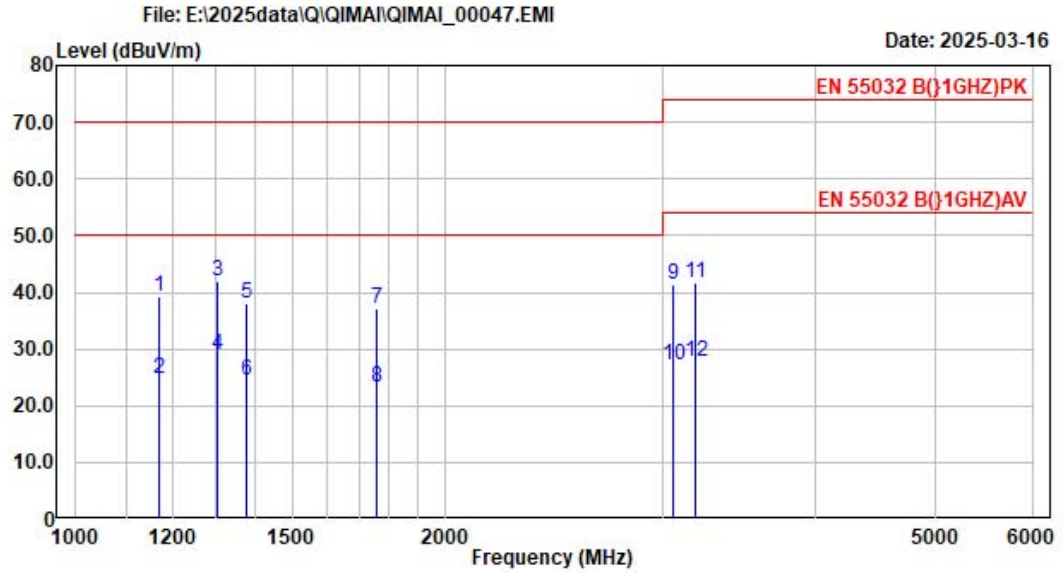
Site no. : Audix (Shanghai) Chamber 3
Dis. / Ant. : 3m / 3115-2024
Limit : EN 55032 B(}1GHZ)PK
Env. / Ins. : 22'C 49%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & AUX Speaking

Data no. : 45
Ant. Pol. : Vertical
Engineer : Abby

.	Freq. (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1202.500	25.29	2.26	37.14	46.67	37.08	70.00	32.92	Peak
2	1202.500	25.29	2.26	37.14	32.33	22.74	50.00	27.26	Average
3	1747.500	27.17	2.70	36.82	44.38	37.43	70.00	32.57	Peak
4	1747.500	27.17	2.70	36.82	29.22	22.27	50.00	27.73	Average
5	2348.125	28.49	3.20	36.19	43.62	39.12	70.00	30.88	Peak
6	2348.125	28.49	3.20	36.19	27.55	23.05	50.00	26.95	Average
7	3063.750	30.66	3.61	35.45	42.47	41.29	74.00	32.71	Peak
8	3063.750	30.66	3.61	35.45	28.20	27.02	54.00	26.98	Average
9	3282.500	31.30	3.83	35.62	41.79	41.30	74.00	32.70	Peak
10	3282.500	31.30	3.83	35.62	25.63	25.14	54.00	28.86	Average
11	3863.750	32.76	4.45	36.02	40.54	41.73	74.00	32.27	Peak
12	3863.750	32.76	4.45	36.02	25.38	26.57	54.00	27.43	Average

Remarks: 1.Emission Level = Antenna Factor + Cable Loss - Preamp Factor + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,CaoHeJing
Hi-Tech Park,Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



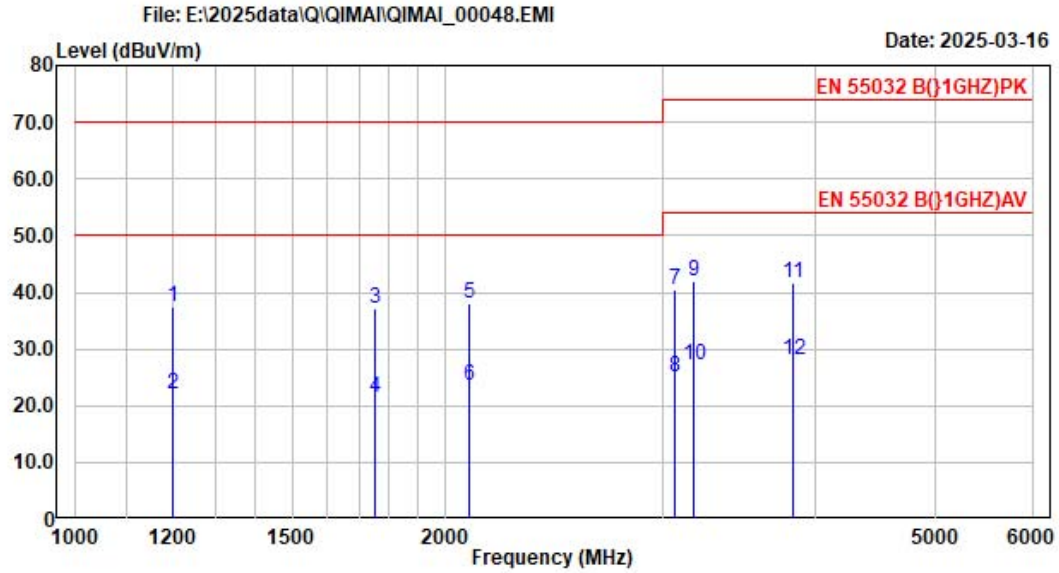
Site no. : Audix (Shanghai) Chamber 3
Dis. / Ant. : 3m / 3115-2024
Limit : EN 55032 B(}1GHZ)PK
Env. / Ins. : 22'C 49%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & BT Speaking

Data no. : 47
Ant. Pol. : Horizontal
Engineer : Abby

.	Freq. (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1171.250	25.30	2.23	37.16	48.99	39.36	70.00	30.64	Peak
2	1171.250	25.30	2.23	37.16	34.36	24.73	50.00	25.27	Average
3	1303.750	25.32	2.35	37.07	51.51	42.11	70.00	27.89	Peak
4	1303.750	25.32	2.35	37.07	38.29	28.89	50.00	21.11	Average
5	1377.500	25.49	2.41	37.02	47.27	38.15	70.00	31.85	Peak
6	1377.500	25.49	2.41	37.02	33.47	24.35	50.00	25.65	Average
7	1755.000	27.16	2.71	36.81	44.11	37.17	70.00	32.83	Peak
8	1755.000	27.16	2.71	36.81	30.25	23.31	50.00	26.69	Average
9	3063.750	30.66	3.61	35.45	42.55	41.37	74.00	32.63	Peak
10	3063.750	30.66	3.61	35.45	28.35	27.17	54.00	26.83	Average
11	3189.375	31.10	3.74	35.55	42.39	41.68	74.00	32.32	Peak
12	3189.375	31.10	3.74	35.55	28.57	27.86	54.00	26.14	Average

Remarks: 1.Emission Level = Antenna Factor + Cable Loss - Preamp Factor + Reading.

Audix Technology (Shanghai) Co., Ltd.
3F #34Bldg. No.680 GuiPing Rd.,CaoHeJing
Hi-Tech Park,Shanghai 200233, China
Tel:+86-21-64955500
audixaci@audix.com



Site no. : Audix (Shanghai) Chamber 3
Dis. / Ant. : 3m / 3115-2024
Limit : EN 55032 B(}1GHZ)PK
Env. / Ins. : 22'C 49%RH / ESCI
EUT : 7198-26BK RuggedBrick Out Speaker
M/N : T-25102726-13-R
Power Rating : 230V/50Hz
Test Mode : Charging & BT Speaking

Data no. : 48
Ant. Pol. : Vertical
Engineer : Abby

.	Freq. (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Reading (dBuV)	Emission Level (dBuV/m)	Limits (dBuV/m)	Margin (dB)	Remark
1	1199.375	25.30	2.26	37.14	46.93	37.35	70.00	32.65	Peak
2	1199.375	25.30	2.26	37.14	31.58	22.00	50.00	28.00	Average
3	1754.375	27.16	2.71	36.81	44.04	37.10	70.00	32.90	Peak
4	1754.375	27.16	2.71	36.81	28.36	21.42	50.00	28.58	Average
5	2088.750	27.76	2.96	36.56	44.00	38.16	70.00	31.84	Peak
6	2088.750	27.76	2.96	36.56	29.24	23.40	50.00	26.60	Average
7	3073.125	30.69	3.62	35.46	41.49	40.34	74.00	33.66	Peak
8	3073.125	30.69	3.62	35.46	26.15	25.00	54.00	29.00	Average
9	3177.500	31.10	3.73	35.54	42.62	41.91	74.00	32.09	Peak
10	3177.500	31.10	3.73	35.54	27.78	27.07	54.00	26.93	Average
11	3828.750	32.62	4.42	35.99	40.56	41.61	74.00	32.39	Peak
12	3828.750	32.62	4.42	35.99	26.88	27.93	54.00	26.07	Average

Remarks: 1.Emission Level = Antenna Factor + Cable Loss - Preamp Factor + Reading.

6 MEASUREMENT UNCERTAINTY LIST

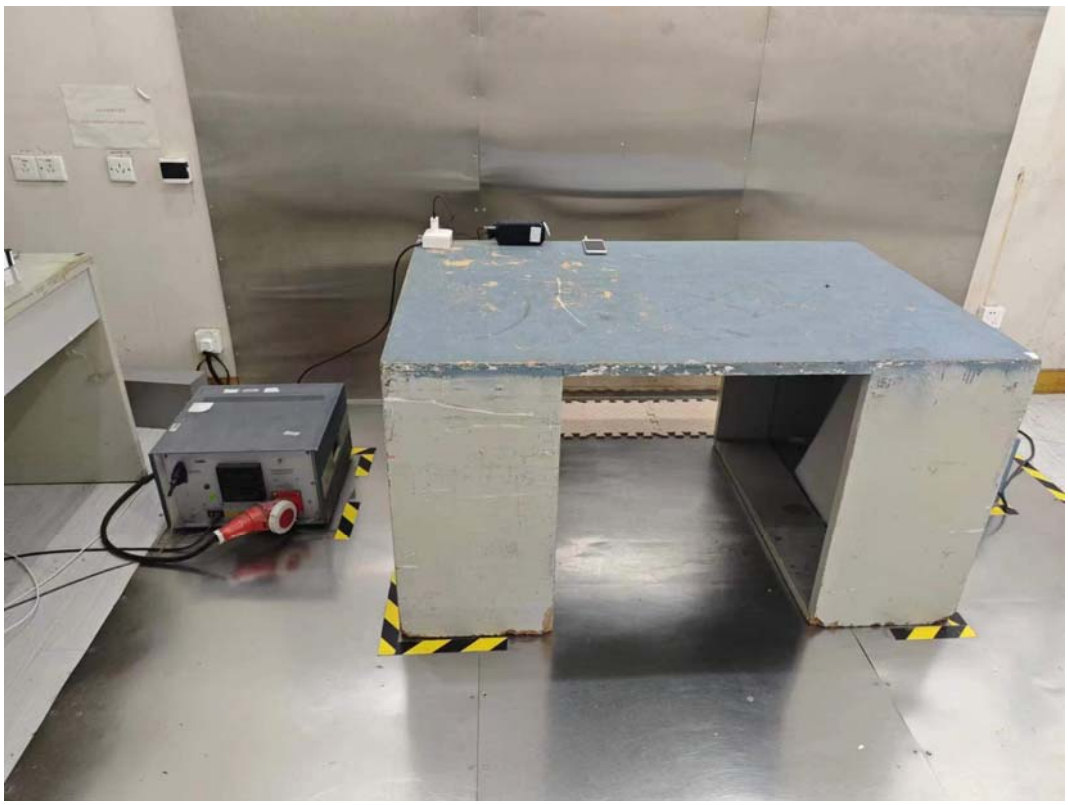
The measurement uncertainty was estimated for test on the EUT according to CISPR 16-4-2. This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage of K=2.
The uncertainties value is not used in determining the PASS/FAIL results.

For Test Site #1

Test Items/Facilities	Frequency/Equipment/Unit	Uncertainty
Estimation of Uncertainty for Conduction Emission (Shielded Room-1)	9kHz~150kHz(50Ω/50μH -AMN)	3.74 dB
	150kHz~30MHz(50Ω/50μH -AMN)	3.34 dB
	150kHz~30MHz(50Ω/50μH –AMN-CAT 3)	3.46 dB
	150kHz~30MHz(50Ω/50μH –AMN-CAT 5)	3.48 dB
	150kHz~30MHz(50Ω/50μH –AMN-CAT 6)	3.60 dB
	9kHz~30MHz(VP, considering the effect of mains impedance when compared with AMN)	24.64 dB
	9kHz~30MHz(VP)	2.76 dB
	9kHz~30MHz(CP, considering the effect of AE impedance when compared with AMN)	24.64 dB
	9kHz~30MHz(CP)	2.82 dB
Estimation of Uncertainty for Conduction Emission (Shielded Room-3)	9kHz~150kHz(50Ω/50μH -AMN)	3.74 dB
	150kHz~30MHz(50Ω/50μH -AMN)	3.34 dB
Estimation of Uncertainty for Power Clamp	30MHz~300MHz (Absorbing Clamp)	3.68 dB
Estimation of Uncertainty for CDNE	30MHz~300MHz (CDNE-M210)	3.68 dB
	30MHz~300MHz (CDNE-M310)	3.68 dB
Estimation of Uncertainty for EMF	20kHz~10MHz	1.54 dB
Estimation of Uncertainty for Radiated Emission	30M~200MHz (Vertical)	4.56dB
	30M~200MHz (Horizontal)	4.44dB
	200M~1000MHz (Vertical)	5.28dB
	200M~1000MHz (Horizontal)	3.88dB
	1G~6GHz	4.34dB
	6G~18G Hz	4.40dB
	18G~40G Hz	4.04dB

7 PHOTOGRAPH

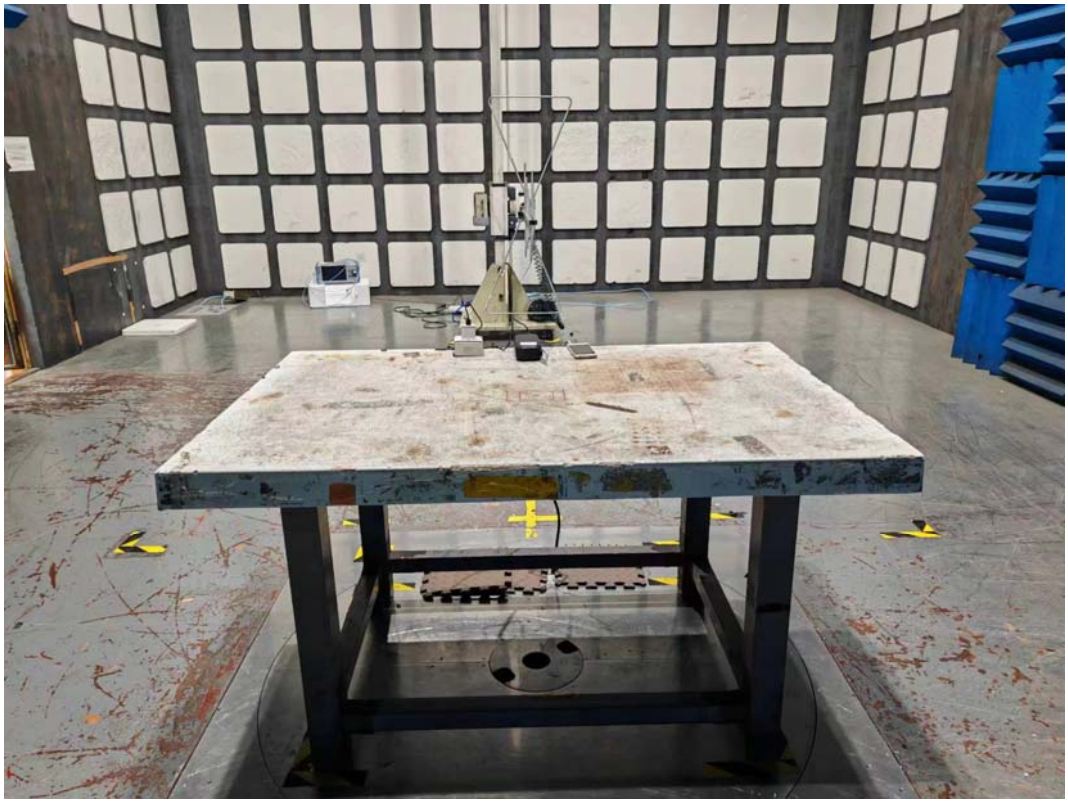
7.1 Conducted Disturbance Test



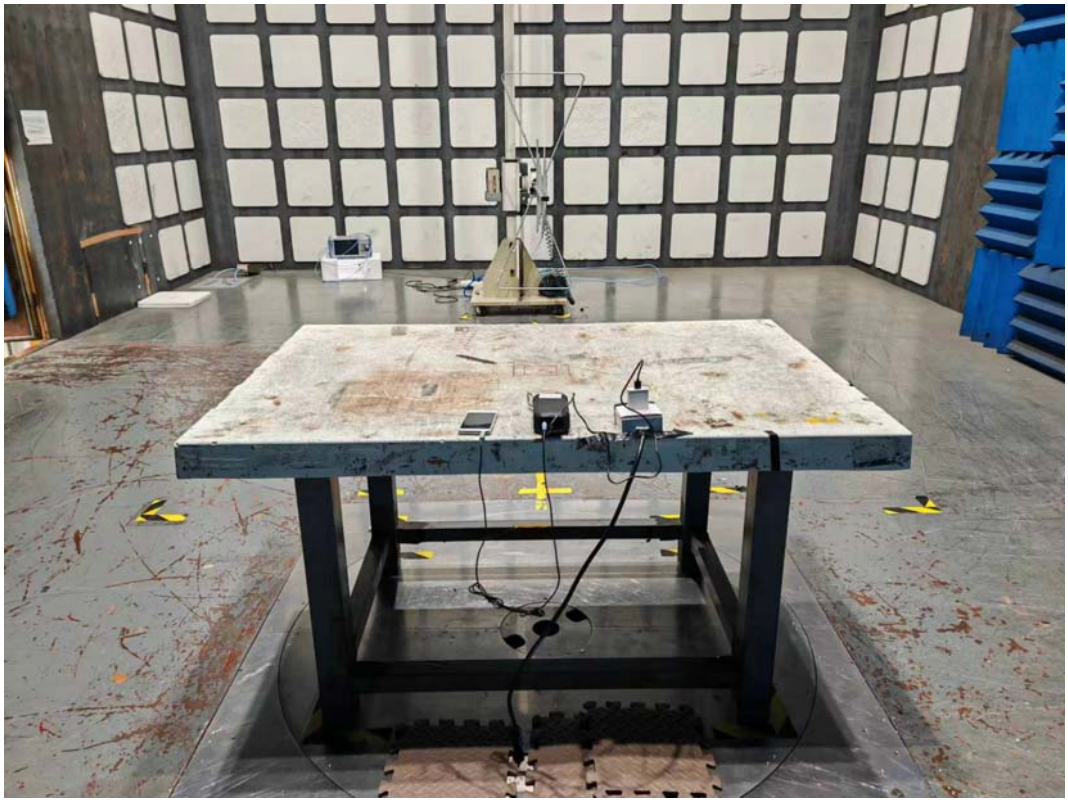
FRONT VIEW

BACK VIEW

7.2 Radiated Disturbance Test

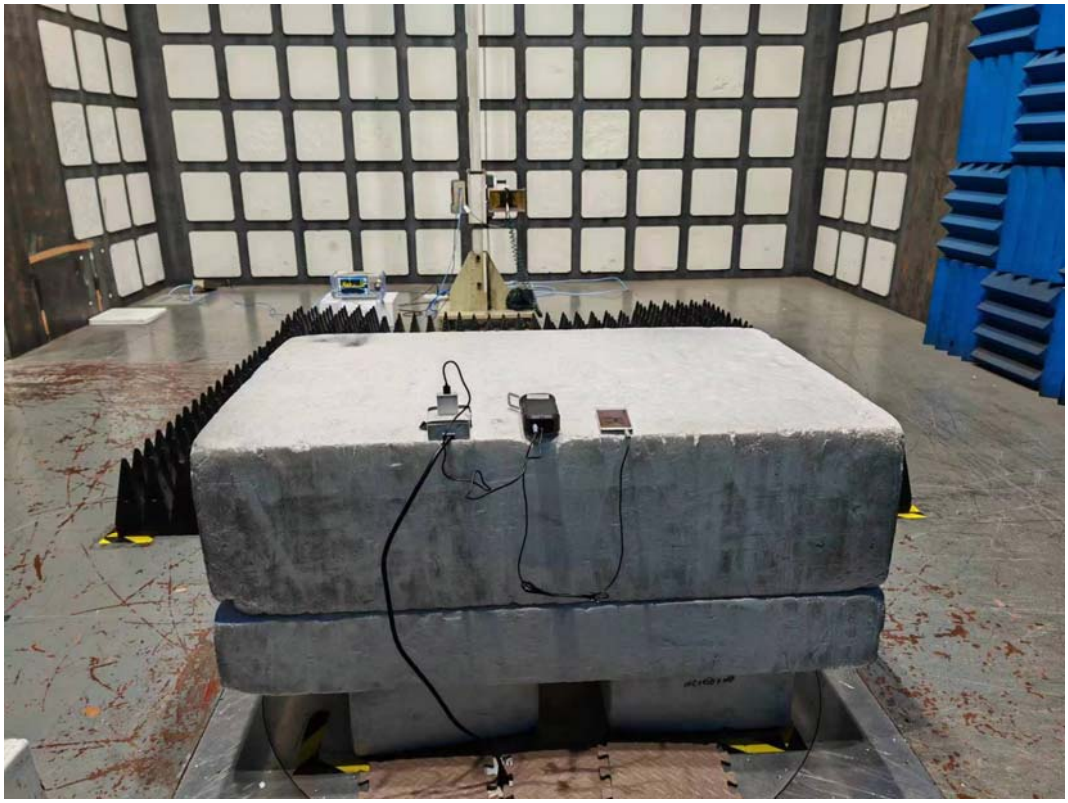


FRONT VIEW OF RADIATED EMISSION TEST (BELOW 1GHZ)



BACK VIEW OF RADIATED EMISSION TEST (BELOW 1GHZ)

FRONT VIEW OF RADIATED EMISSION TEST (ABOVE 1GHZ)



BACK VIEW OF RADIATED EMISSION TEST (ABOVE 1GHZ)

APPENDIX

PHOTOGRAPHS OF EUT

FIGURE 1
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
OUT-1

FIGURE 2
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
OUT-2

FIGURE 3
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
OUT-3

FIGURE 4
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
COVER REMOVE

FIGURE 5
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
BOARD1-1

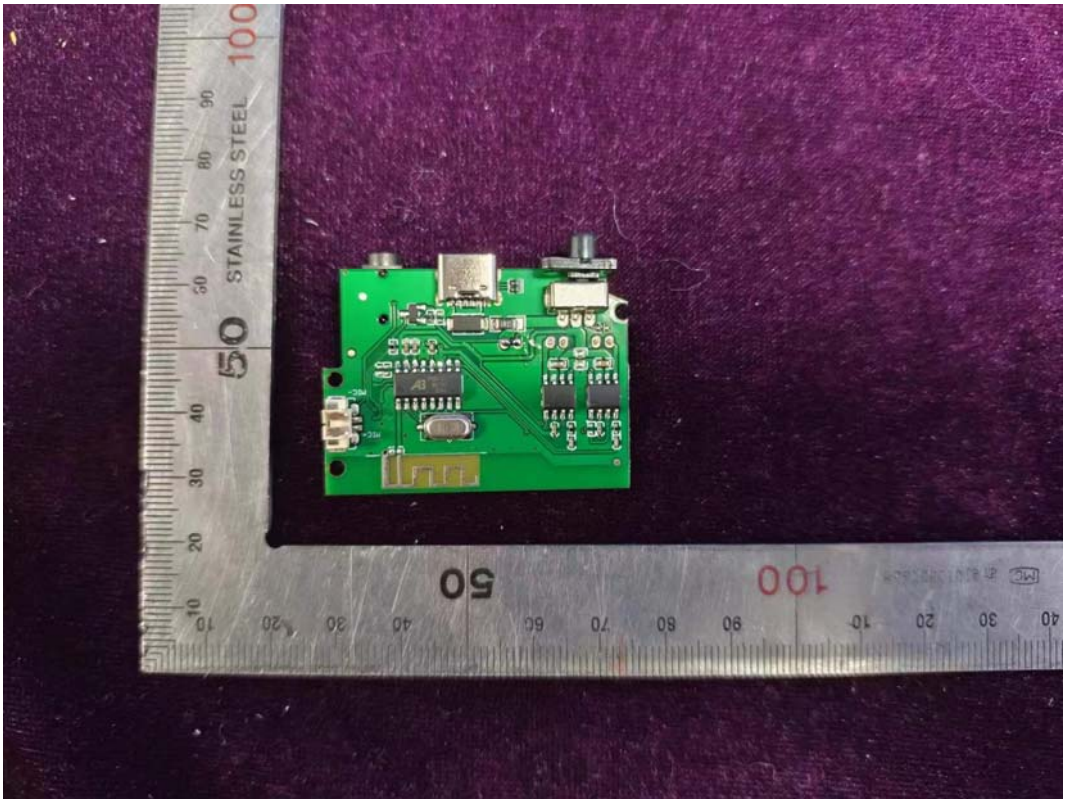


FIGURE 6
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
BOARD1-2

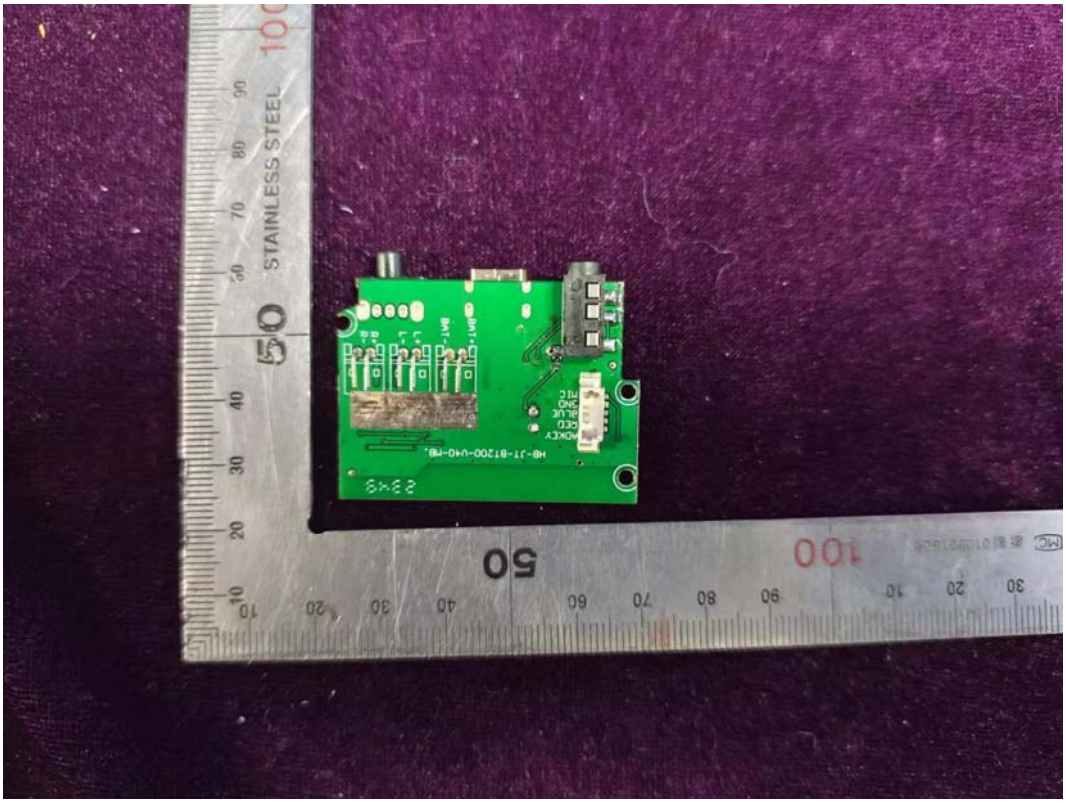


FIGURE 7
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
BOARD1-3

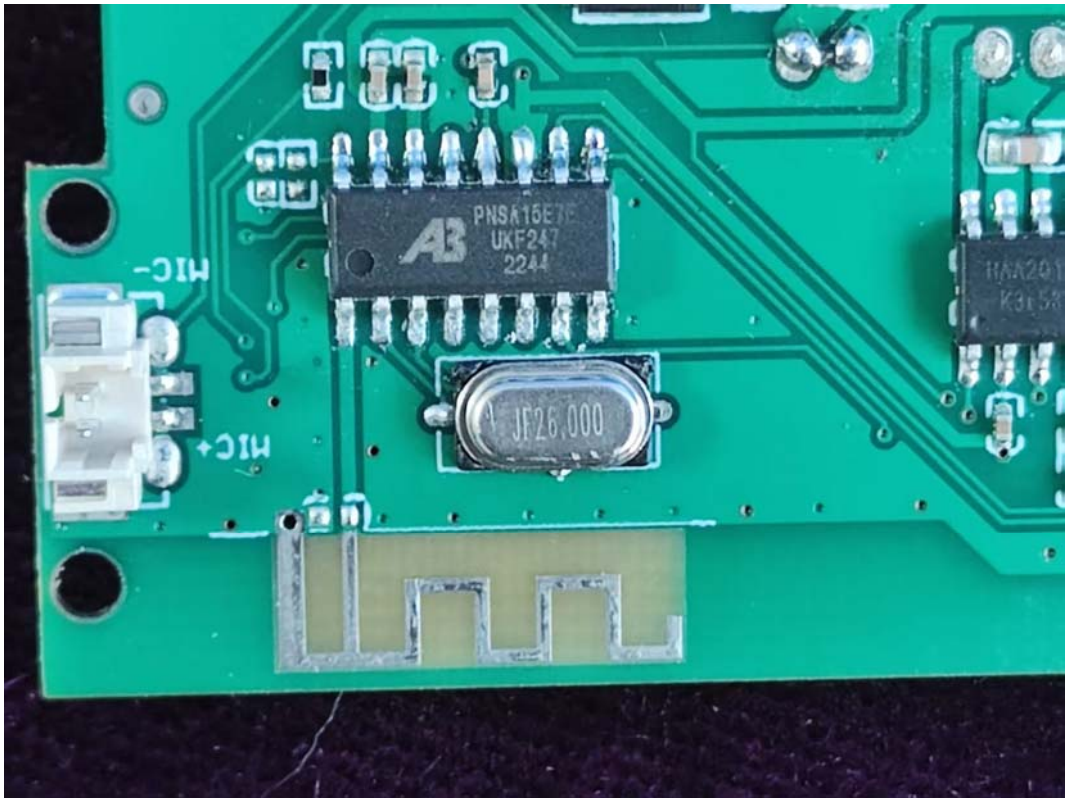


FIGURE 8
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
BOARD2-1

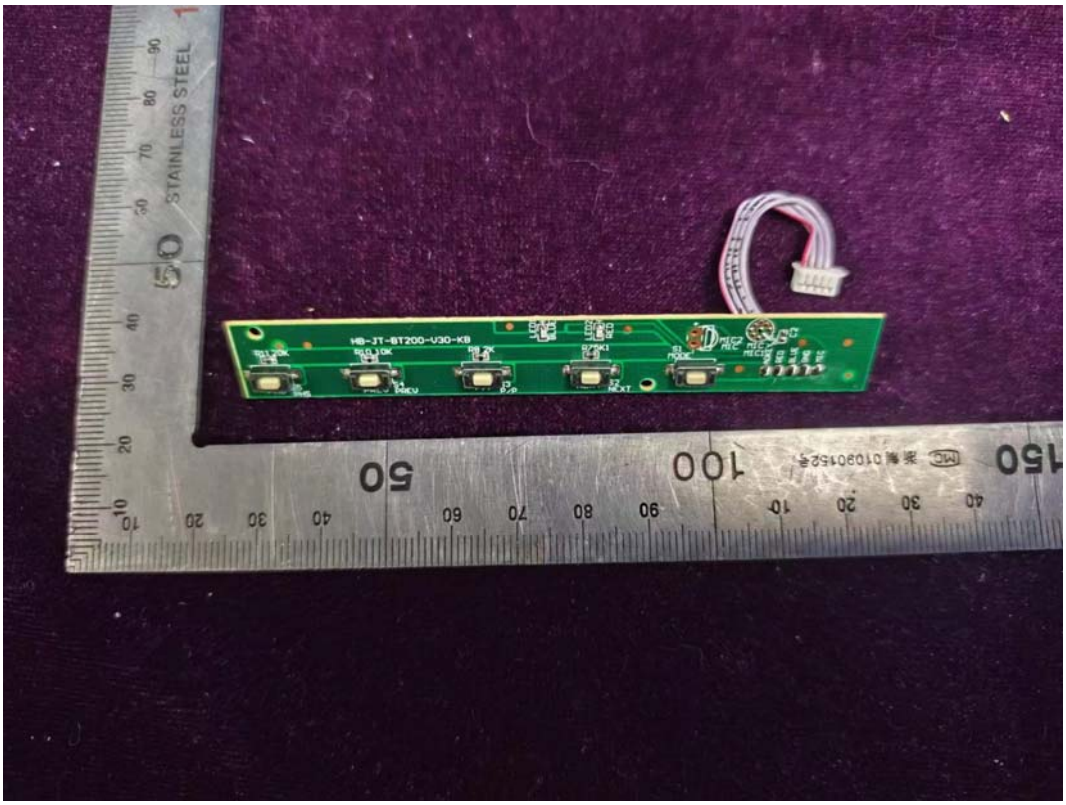
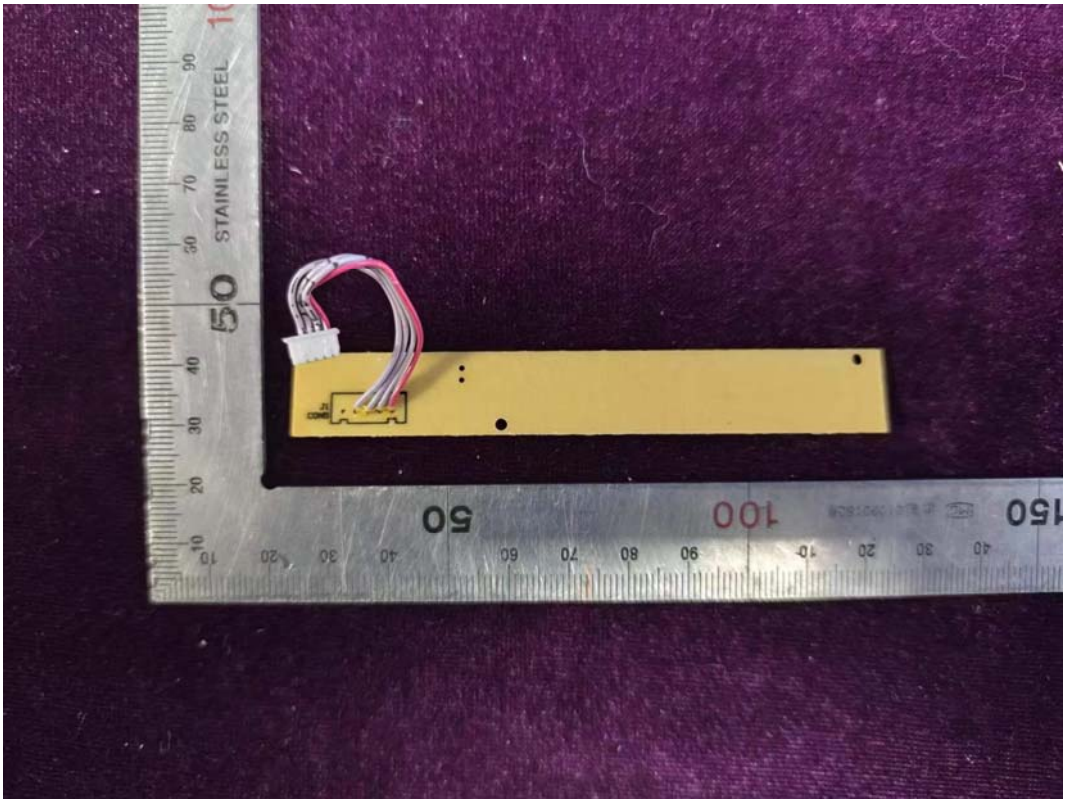


FIGURE 9
7198-26BK RUGGEDBRICK Out Speaker *(M/N: 1B118965)*
BOARD2-2



- END OF REPORT -