

TEST REPORT		
MIC Notification No. 127		
Report Number.....:	MTL26041401495S	
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Approved by (+signature).....:	Jack Li	<i>Jack Li</i>
Date of issue.....:	April 16, 2026	
Total number of pages.....:	12 Pages	
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Applicant's name.....:	MiraArc Co., Ltd.	
Address.....:	Fukuoka Itoshima-city Sone 539-11, Japan	
Manufacturer's name.....:	Shenzhen Bopai Impression Industrial Design Co., Ltd.	
Address.....:	3rd Floor, Building A, Baiwangda Intelligent Park, No. 11 Shibe Road, Longgang Distict, Shenzhen	
Standard.....:	MIC Notification No. 127	
General disclaimer:		
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Test item description.....:	Ambient speaker	
Trade Mark(s)	_amp	
Manufacturer.....:	Shenzhen Bopai Impression Industrial Design Co., Ltd.	
Model/Type reference.....:	Ambient speaker, ambient-speaker	
Rated.....:	DC 5V, 2A; DC 9V, 2A (DC 7.4V from battery 2000mAh*2) 5W/7.5W/10W/15W (Pulse power:10W)	

TEST REPORT DECLARATION

Applicant:	MiraArc Co., Ltd.
Manufacturer:	Shenzhen Bopai Impression Industrial Design Co., Ltd.
Product Name:	Ambient speaker
Brand Name:	_amp
Model No.:	Ambient speaker, ambient-speaker

Test Result:	PASS
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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.

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1. TEST STANDARDS

The tests were performed according to following standards:

Ministry of Posts and Telecommunications Notification No.: 127 (25 February 1988

2. SUMMARY

2.1 General Remarks

Date of receipt of test sample	:	March 06, 2026
Testing commenced on	:	March 06, 2026
Testing concluded on	:	March 16, 2026

2.2 Product Description

Product Name:	Ambient speaker
Model/Type reference:	Ambient speaker
Listed Models:	ambient-speaker
Power supply:	DC 5V, 2A; DC 9V, 2A (DC 7.4V from battery 2000mAh*2) 5W/7.5W/10W/15W (Pulse power:10W)
WPT	
Modulation:	ASK
Operation frequency:	110-205K Hz
Channel number:	Loop Antenna
Antenna type:	0.00 dBi
Remark:	

Note: For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

2.3 Measurement Instruments List

Item	Test Equipment	Manufacturer	Model No.	Cal. Institution	Calibration Date	Calibration Due Date
1	EMI test receiver ESCI	R&S	ESPI-7	100754	2025-03-17	2027-03-16
2	Log periodic antenna	SCHWARZBECK	VULB9163	01790	2025-10-24	2026-10-23
3	preamplifier	QUANJUDA	LNA18	2503130032	2025-07-07	2026-07-06
4	spectrum analyzer	Agilent	N9020A	MY51287427	2025-07-07	2026-07-06
5	Terminal tester	R&S	CMW500	129734	2025-07-07	2026-07-06
6	Vector signal generator	Agilent	N5182A	MY50145556	2025-07-07	2026-07-06
	RF automatic control unit	TST	CBOX-Full	2752539	2025-07-14	2026-07-13
7	High frequency antenna	Schwarzbeck	9120D-1141	03260	2025-10-19	2026-10-18
8	High-frequency horn antenna	Schwarzbeck	HA-018040L	25098408	2025-10-31	2026-10-30
9	preamplifier	HCT	HC180400-50G25	25098401	2025-09-19	2026-09-18
10	spectrum analyzer	R&S	FSV40	101373	2025-12-24	2026-12-23
11	preamplifier	SCHWARZBECK	8447D	2944A08081	2025-03-17	2027-03-16
12	Oscillograph	TeKtronix	TDS3052C	C011852	2025-08-08	2026-08-07
13	DC regulated power supply	LONGWVEI	PS-305DF	201104661	2025-07-07	2026-07-06
14	RF automatic control unit	TST	CBOX-Full	2752539	2025-07-14	2026-07-13
15	testing software	TST Pass	2.0.2 (2026.04.07_15.08.33)	/	2025-07-14	2026-07-13
16	EMI test receiver ESCI	R&S	ESPI-7	100754	2025-03-17	2027-03-16

Calibration by the calibration agencies listed in the table correspond to Article 102-18 paragraph(1) in the Radio Law".

Guangdong Zhongcheng Metrology Testing Co., Ltd.

Remark:

(a) Calibration conducted by Guangdong Zhongcheng Metrology Testing Co., Ltd.

or a designated calibration agency under Article 102-18 paragraph(1) in JRL.

(b) Correction conducted pursuant to the provisions of Article 135 or Article 144 of the Measurement Act (Act No. 51 of 1992).

(c) Calibration conducted in countries except Japan, which shall be equivalent to the calibration conducted by the GRG and CEMT or a designated calibration agency under Article 102-18 paragraph (1). (d) Calibration, etc. conducted by using measuring instruments and other equipment listed in the right column of appended table

No. 3, which shall have been given any type of calibration, etc. listed above from (a) to (c)

From JRL Article 24-2, paragraph 4, Item 2.

Notice: Calibration duration for above equipments is 1 year

3. TEST ENVIRONMENT

3.1 Address of the test laboratory

Shenzhen MTL Testing Technology Co., Ltd.
305, Building A, Shenghengji Industrial Park, No.137, Fuyuan 1st Road,
Zhancheng Community, Fuhai Street, Bao'an District, Shenzhen, Guangdong, China

3.2 Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L16580

Shenzhen MTL Testing Technology Co., Ltd. has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories for the Competence of Testing and Calibration Laboratories.

3.3 Measurement Uncertainty

For the test methods, according to the present document, the measurement uncertainty figures shall be calculated in accordance with TR100028-1 [2] and shall correspond to an expansion factor (coverage factor) $K=1.96$ or $K=2$ (which provide confidence levels of respectively 95% and 95.5% in the case where the distributions characterizing the actual measurement uncertainties are normal).

Parameter	Uncertainty
E-field requirements(110-205K)	2.23

4. TEST CONDITIONS AND RESULTS

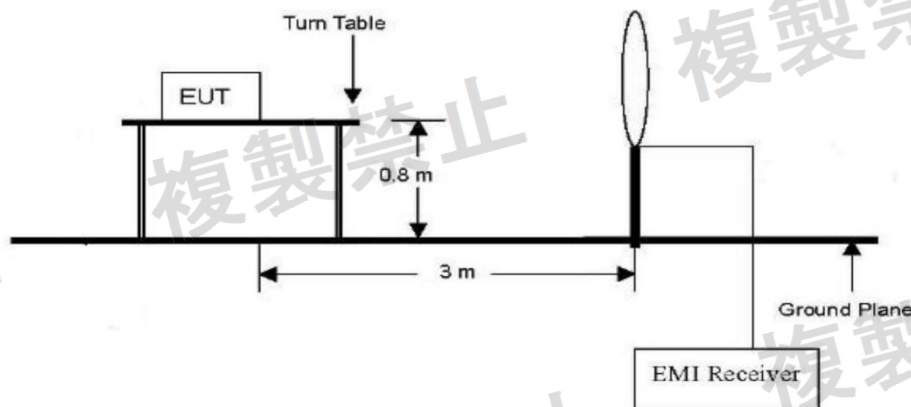
4.1 E-field requirements

LIMIT



For 10KHz -30MHz
 Limit= $20\log(500\mu\text{v/m})=53.98$ dBuV/m

TEST CONFIGURATION

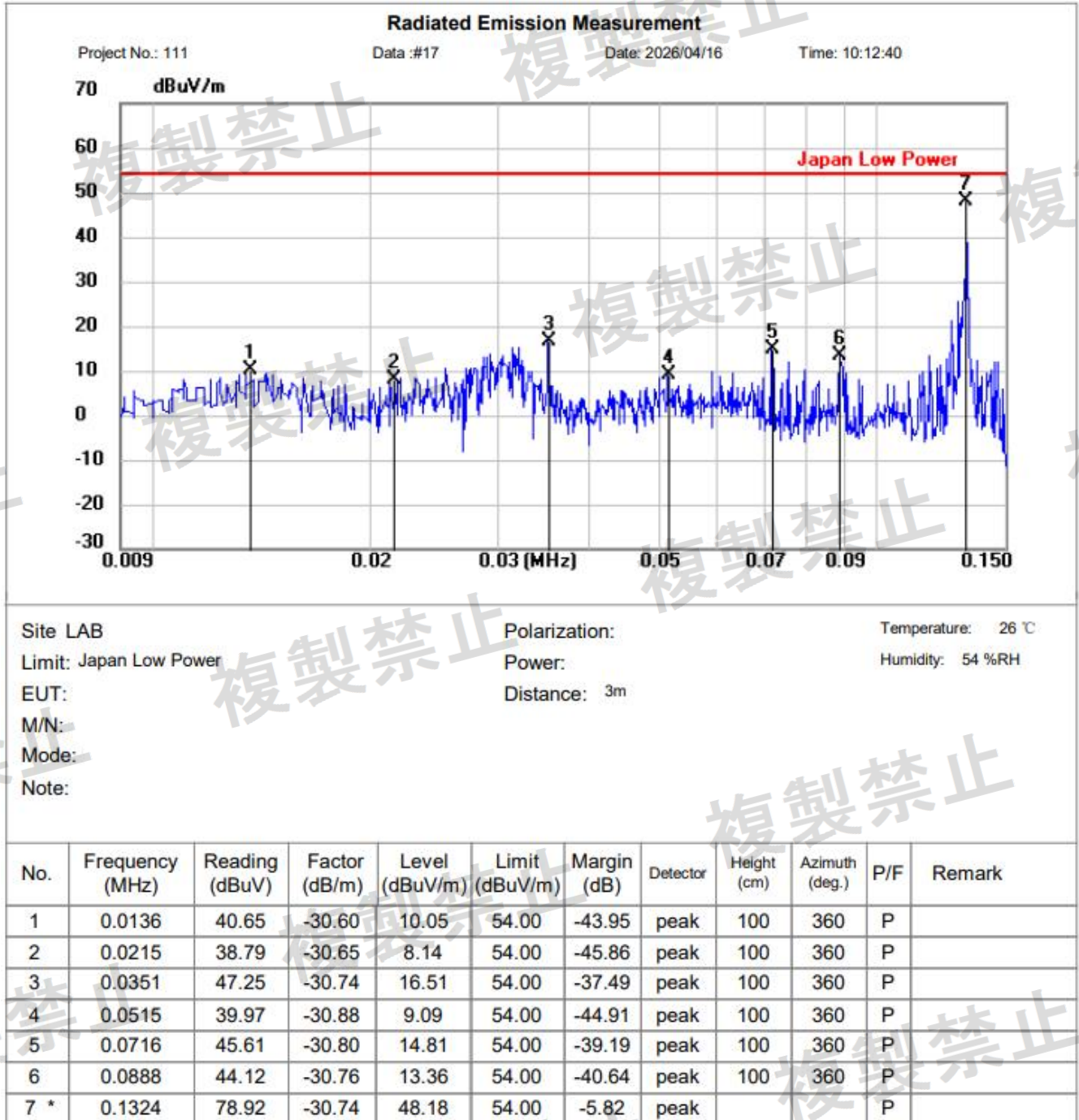


TEST PROCEDURE

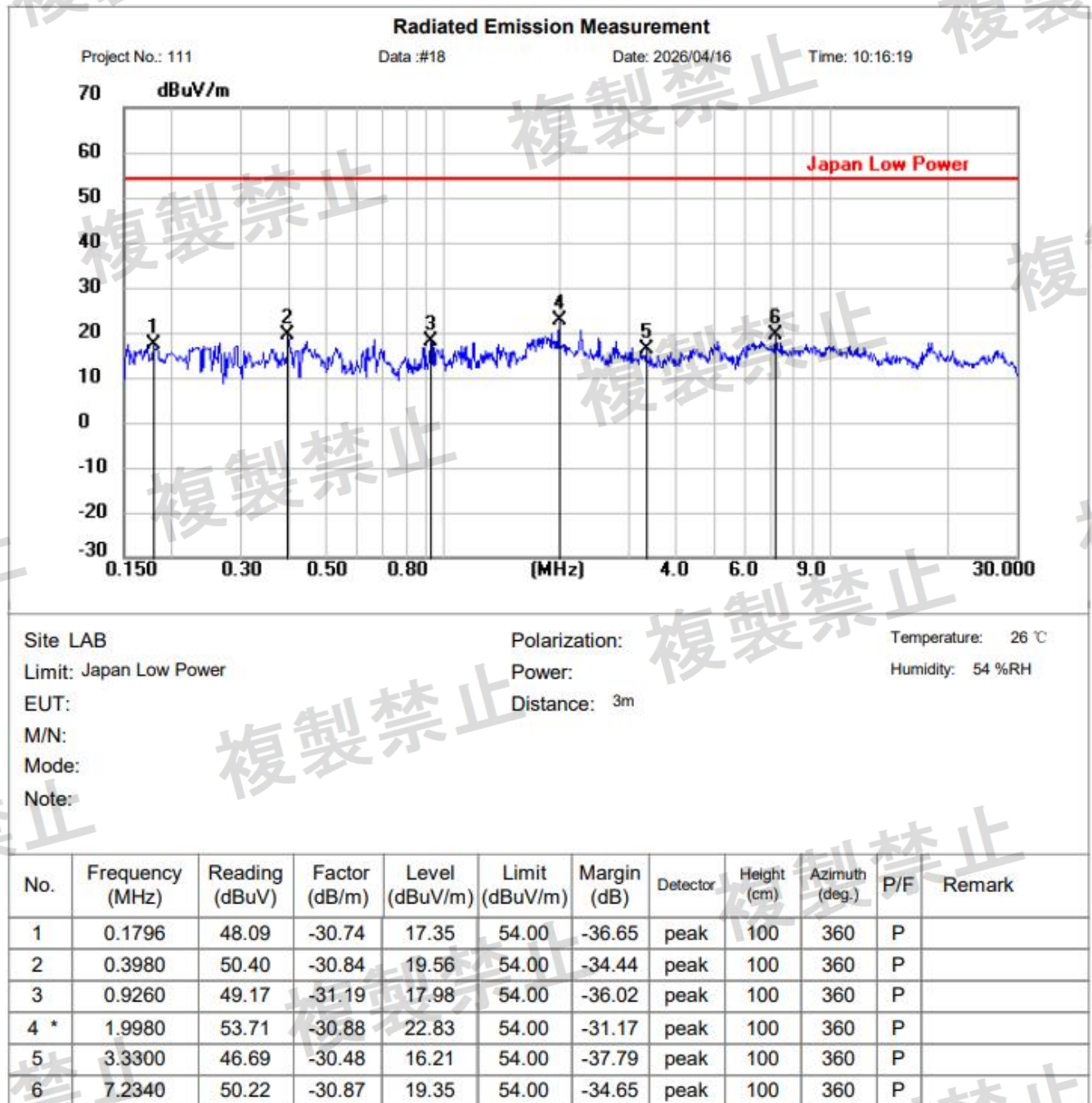
- 1) The EUT was placed on the top of a rotating table 3 meters away from the receiver antenna and 0.8 meters above the ground at a 9x9X6 anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- 2) The height of the equipment shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- 3) The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak/Average detector mode re-measured.
- 4) If the Peak Mode measured value compliance with and lower than Quasi Peak/Average Mode Limit, the EUT shall be deemed to meet QP/AV Limits and then no additional QP/AV Mode measurement performed.
- 5) For the actual test configuration, please refer to the related Item -EUT Test Photos.

TEST RESULTS

For 9k-150k



For 150k-30m



5. Test Setup Photos Photos of the EUT

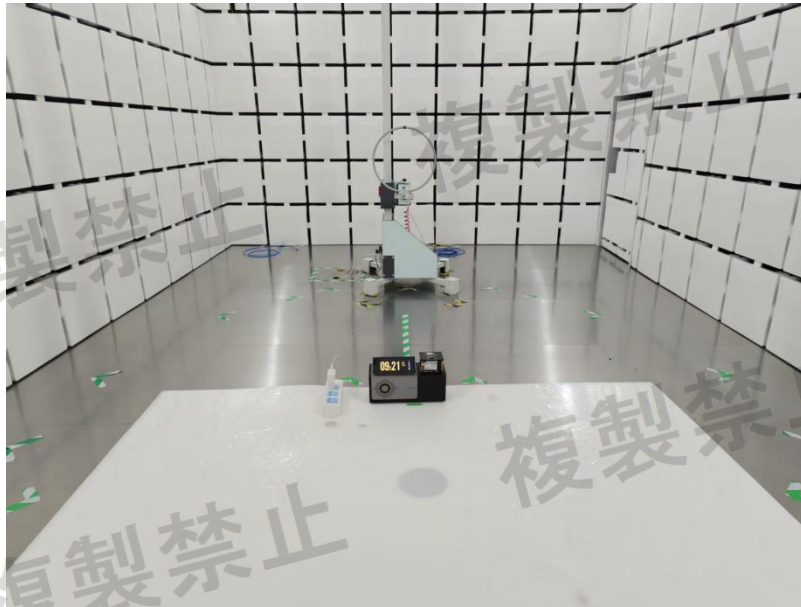


FIGURE 1



FIGURE 2

6. Photos of the EUT

Reference to the test report No. **MTL26031600985S** and **MTL26030600820S**