Report No.:	TWN2502697-01E
Applicant:	Bytech NY Inc.
Product:	Wireless speaker
Model No.:	BC-AU-BS-128-BK
Trademark:	BICONIC
Test Standards:	FCC Part 15.249
Test result:	It is herewith confirmed and found to comply with the requirements set up by ANSI C63.10 & FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of electromagnetic compatibility
Approved By	
Terry Tong	

Terry Tang

Manager

Dated:

February 25, 2025

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

# SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



## **Special Statement:**

### FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

## Industry Canada (IC) — Registration No.: 5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

## A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

## CAB identifier: CN0033

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### 1.0 General Details

- 1.1 Test Lab Details

  Name:
  SHENZHEN TIMEWAY TESTING LABORATORIES.
  Address:
  Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China
  Telephone:
  (755) 83448688
  Fax:
  (755) 83442996
  Site on File with the Federal Communications Commission United Sates
  Registration Number: 744189
  For 3m Anechoic Chamber

  1.2 Applicant Details
  - Applicant:Bytech NY Inc.Address:2585 West 13 Street Brooklyn NY 11223 (718)449-3700

### 1.3 Description of EUT

Product:	Wireless speaker
Manufacturer:	Dongguan Imlong Electronic Limited
Address:	No.5, Huixiang Road, Jinglian Community, Qiaotou Town, Dongguan City,
	Guangdong Province, China.
Trademark:	BICONIC
Model Number:	BC-AU-BS-128-BK
Additional Model Name	N/A
Rating:	Input: DC5V
Battery:	DC3.7V, 2000mAh Li-ion battery
Serial No.:	N/A
Hardware Version:	V1.2
Software Version:	V2.0
Operation Frequency:	2402-2480MHz
Modulation Type:	GFSK, JI/4DQPSK
Number of Channels:	79
Channel Separation:	1MHz
Antenna Designation	PCB antenna with gain -0.58dBi maximum (Get from the antenna specification)

### 1.4 Submitted Sample: 2 Samples

#### 1.5 Test Duration

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2025-02-19 to 2025-02-25

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB Radiated Emissions below 1GHz Uncertainty =4.7dB Radiated Emissions above 1GHz Uncertainty =6.0dB Conducted Power Uncertainty =6.0dB Occupied Channel Bandwidth Uncertainty =5% Conducted Emissions Uncertainty =3.6dB Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

Andy - Xing

The sample tested by

Print Name: Andy Xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2024-07-12	2025-07-11
RF Cable	Zhengdi	7m		2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

#### 2.2 Automation Test Software

For Conducted Emission Test

Name	Version	
EZ-EMC	Ver.EMC-CON 3A1.1	

#### For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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adopt any other remedies which may be appropriate.



The EUT has been tested according to the following specifications:

#### **3.0** Technical Details

#### 3.1 Summary of test results

The ECT has been tested according to the following specifications.				
Standard	Test Type	Result	Notes	
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies	
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies	
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies	
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies	
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies	
FCC Part 15.215(c)	20dB bandwidth	Pass	Complies	

### 3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4 :2014 and ANSI C63.10 :2013

### 4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

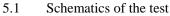
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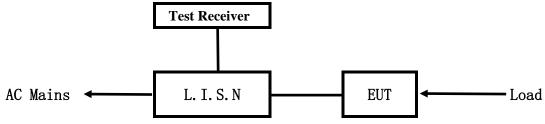
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### 5.0 Power Line Conducted Emission Test



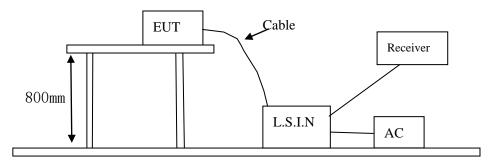


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 500hm/50uH as specified by section 5.1 of ANSI C63.10–2013. Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below. 79 channels are provided to the EUT

A.	EUT
1 1.	<b>DU</b> I

Device	Manufacturer	Model	FCC ID
Wireless speaker	Dongguan Imlong Electronic Limited	BC-AU-BS-128-BK	2AHN6-AUBS128

### B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

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C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	Xiaomi	CDQ02ZM	Input: 100-240V~, 50/60Hz, 1.2A;
			Output: DC5V, 3A; DC9V, 3A; DC12V,
			3A; DC15V, 3A; DC20V, 2.25A;

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10-2013

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

Frequency	Limits (dB µ V)		
(MHz)	Quasi-peak Level	Average Level	
$0.15~\sim~0.50$	66.0~56.0*	56.0~46.0*	
$0.50~\sim~5.00$	56.0	46.0	
$5.00~\sim~30.00$	60.0	50.0	

5.5 Power line conducted Emission Limit according to Paragraph 15.207

Notes: 1. \*Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

### 5.6 Test Results:

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A: Conducted Emission on Live Terminal (150kHz to 30MHz) **EUT Operating Environment** Temperature: 25 ℃ Humidity: 65%RH Atmospheric Pressure: 101 kPa EUT set Condition: Charging and Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class C\_QP 60 FCC Part 15 CE-Class C AV 50 40 30 peak 20 AVG 10 0 -10 -20 (MHz) 30.000 0.150 Reading Factor Limit Frequency Level Margin No. Detector P/F (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 0.1617 26.07 10.34 36.41 65.38 28.97 Ρ QP 1 Ρ 2 0.1617 1.34 10.34 11.68 55.38 -43.70 AVG Ρ 3 0.2319 19.34 10.33 29.67 62.38 -32.71 QP Ρ 0.2319 10.33 8.95 52.38 AVG 4 -1.38 -43.43 1.3044 24.64 10.75 35.39 56.00 -20.61 Ρ 5 QP Ρ 35.04 AVG 6 1.3044 24.29 10.75 46.00 -10.96 7 4.3533 29.35 12.13 41.48 56.00 -14.52 QP Р Р 4.3533 28.78 12.13 40.91 -5.09 8 46.00 AVG 9 25.9671 19.59 15.13 34.72 60.00 -25.28 QP Ρ Р 10 25.9671 10.65 15.13 25.78 50.00 -24.22 AVG

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**B**: Conducted Emission on Neutral Terminal (150kHz to 30MHz) **EUT Operating Environment** Temperature: 25℃ Humidity: 65%RH Atmospheric Pressure: 101 kPa EUT set Condition: Charging and Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class C\_QP 60 FCC Part 15 CE-Class C AV 50 40 30 20 AVG 10 0 -10 -20 (MHz) 30.000 0.150 Reading Factor Frequency Level Limit Margin Detector P/F No. (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 0.1773 24.40 10.33 34.73 64.61 -29.88 QP Ρ 1 0.1773 2 5.66 10.33 15.99 54.61 38.62 AVG Ρ 3 1.3044 24.49 10.75 56.00 -20.76 QP Ρ 35.24 4 1.3044 24.15 10.75 34.90 46.00 -11.10 AVG Ρ 4.3533 29.51 5 12.13 41.64 56.00 -14.36 QP Ρ -5.12 12.13 AVG Ρ 6 4.3533 28.75 40.88 46.00 7 5.2230 26.46 12.36 38.82 60.00 QP Ρ -21.18 5.2230 22.54 12.36 34.90 50.00 -15.10 Ρ 8 AVG 9 25.9358 28.47 15.14 43.61 60.00 -16.39 QP Ρ

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25.9358

10.65

15.14

25.79

50.00

-24.21

AVG

Ρ

10

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### 6 Radiated Emission Test

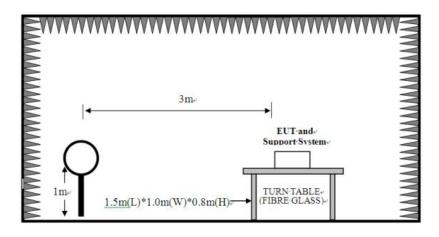
- 6.1 Test Method and test Procedure:
- The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 9kHz to 25 GHz was investigated. The frequency spectrum is set as follows:

Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
Above IGHZ	Peak	1MHz	10Hz	Average

(Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.

- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz

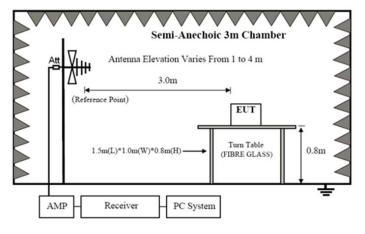


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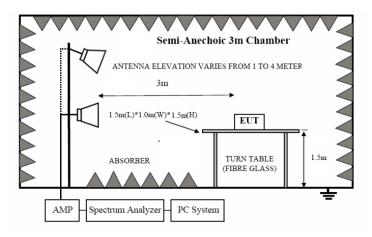
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of the EUT Same as section 5.3 of this report
- 6.3 EUT Operating Condition Same as section 5.4 of this report.

6.4 Radiated Emission Limit

> All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

Α	FCC Part 15 Subp	art C Paragraph 15.249(a) Limit	
Г	1 (15	$\mathbf{E} = 1.1  \mathrm{Gensus} + 1  \mathrm{ef}  \mathrm{Eess}  \mathrm{demonster}  (2  \mathrm{ms})$	E: 11 C4

Fundamental Frequency	Field Strength of Fundamental (3m)			Field Strength of Harmonics (3m)		
(MHz)	mV/m	dBuV/m	uV/m	dBuV/m		

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2400-2483.5		50 94 (Average)		114 (Peak)	500	54 (Average)	74 (Peak)
Note:	1. RF Field Streng	gth (dBuV)	$= 20 \log \text{RF Volt}$	age (uV)			

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.

3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

### B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

1	1	81
Frequency Range (MHz)	Distance (m)	Field strength (dB $\mu$ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-80	3	40.
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

1. RF Voltage (dBuV) =  $20 \log \text{RF}$  Voltage (uV)

2. In the Above Table, the tighter limit applies at the band edges.

3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT

4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.

5. The two modulation modes of GFSK, Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

6. Battery was fully charged during test

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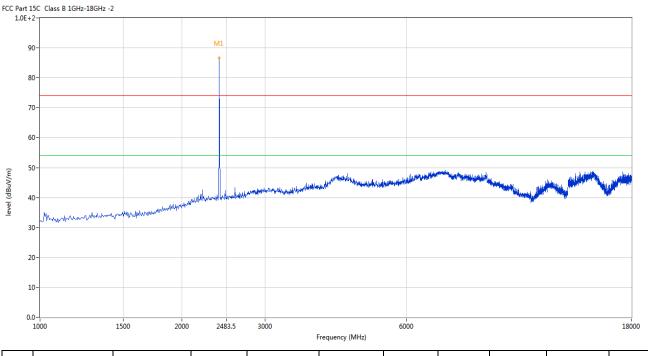


### 6.5 Test result

### A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402MHz

#### Horizontal



١	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	1	2402	86.59	-3.57	114.0	-27.41	Peak	154.00	100	Horizontal	Pass

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75.79

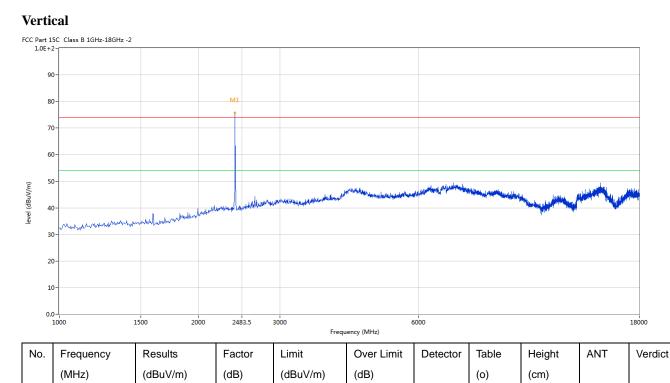
2402

1

-3.57

114.0





-38.21

219.00

100

Vertical

Pass

Peak

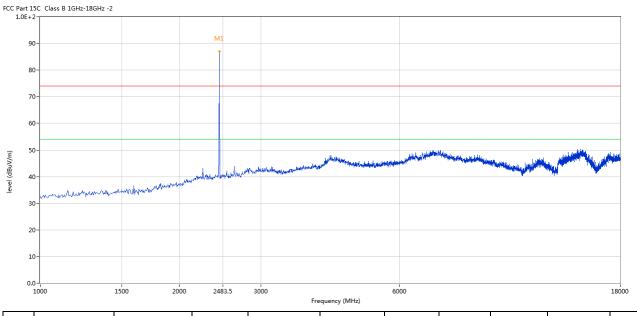
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### Please refer to the following test plots for details: Middle Channel-2441MHz

#### Horizontal

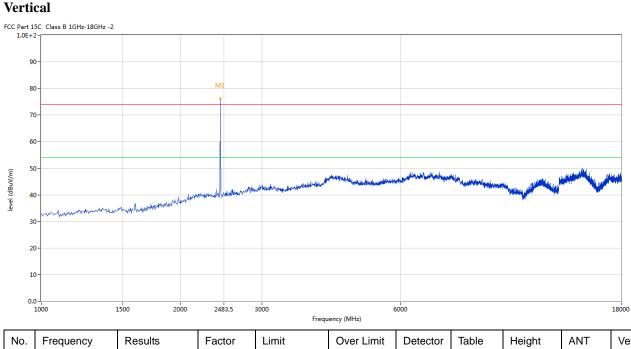


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	87.06	-3.57	114.0	-26.94	Peak	139.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	76.10	-3.57	114.0	-37.90	Peak	185.00	100	Vertical	Pass

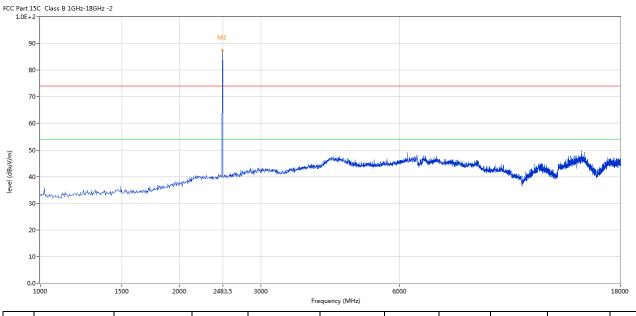
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### Please refer to the following test plots for details: High Channel-2480MHz

#### Horizontal

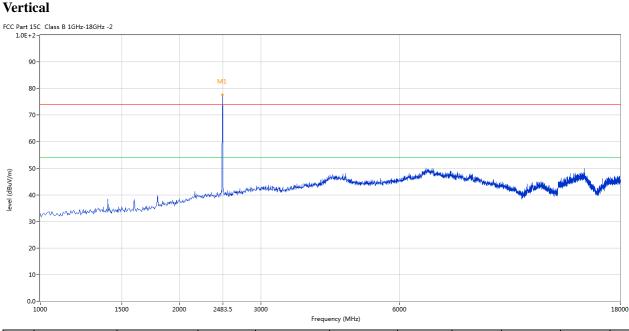


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	87.30	-3.57	114.0	-26.70	Peak	127.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	77.56	-3.57	114.0	-36.44	Peak	73.00	100	Vertical	Pass

Note: (1) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

(2) Margin=Emission-Limits

(3) According to section 15.35(b), the peak limit is 20dB higher than the average limit

(4) For test purpose, keep EUT continuous transmitting

(5) For emission above 18GHz and Below 30MHz, It is only the floor noise and less than the limit for more than 20dB. No necessary to take down.

(6) the measured PK value less than the AV limit.

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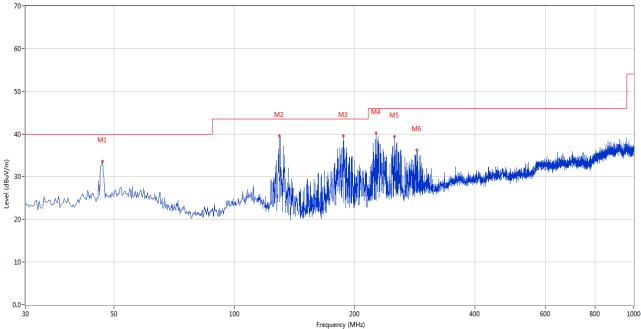
### B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

### Results: Pass

Please refer to following diagram for individual

FCC\_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	46.728	33.68	-5.80	40.0	6.32	Peak	263.00	100	Horizontal	Pass
2	129.400	39.50	-8.55	43.5	4.00	Peak	10.00	100	Horizontal	Pass
3	187.343	39.54	-7.29	43.5	3.96	Peak	347.00	100	Horizontal	Pass
4	226.376	40.18	-6.37	46.0	5.82	Peak	284.00	100	Horizontal	Pass
5	251.590	39.46	-5.17	46.0	6.54	Peak	338.00	100	Horizontal	Pass
6	286.501	36.22	-4.52	46.0	9.78	Peak	325.00	100	Horizontal	Pass

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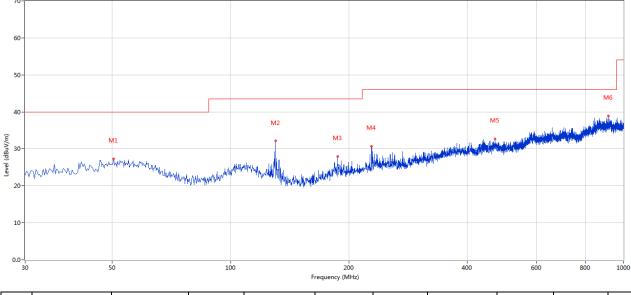
### Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

#### **Results:** Pass

Please refer to following diagram for individual

FCC\_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	50.365	27.33	-5.13	40.0	12.67	Peak	334.00	100	Vertical	Pass
2	130.370	32.11	-8.58	43.5	11.39	Peak	106.00	100	Vertical	Pass
3	187.343	27.98	-7.29	43.5	15.52	Peak	232.00	100	Vertical	Pass
4	228.558	30.72	-5.96	46.0	15.28	Peak	225.00	100	Vertical	Pass
5	471.240	32.65	-0.28	46.0	13.35	Peak	86.00	100	Vertical	Pass
6	914.176	38.84	5.37	46.0	7.16	Peak	108.00	100	Vertical	Pass

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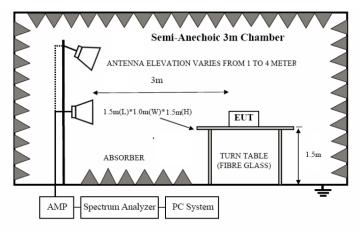


### 7. Band Edge

### 7.1 Test Method and test Procedure:

- The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

### 7.2 Radiated Test Setup



For the actual test configuration, please refer to the related items - Photos of Testing

### 7.3 Configuration of the EUT

Same as section 5.3 of this report

### 7.4 EUT Operating Condition

Same as section 5.4 of this report.

### 7.5 Band Edge Limit

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 Section 15.209, whichever is the lesser attenuation.

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### 7.6 Test Result

J	Product:		Wireless	speaker		Polar	ity		Horizontal	
	Mode	J	Keeping Tr	ansmitting		Test Vol	ltage		DC3.7V	
Te	mperature		24 de	g. C,		Humic	lity		56% RH	
Te	est Result:		Pa	SS						
	Part 15C Class B 1GHz-18 L.0E+2-	3GHz -2								
	90- 80- 70- 60-						/	M1		
level (dBuV/m)	50- 40 - <mark>14 distant providents</mark> 30 - 20 - 10 -	ระบาร์สารสารสารสร้าง กระสิโตร์ไขสาร	ni de si a la de si a la de si a se terma de si a se	referret franzen wieren L			HALAN .	2		Alus Isaa
level (dBuV/m)	40 - <mark></mark>	sauviaten duningen må fødladet	nin de sin de server an de selver	ingedante ante française mittaire . L	Frequency (MHz)			2		2410
level (dBuV/m)	40	Results	Factor	Limit		Detector	Table	Height	ANT	2410
	40		Factor (dB)	Limit (dBuV/m)	Frequency (MHz)	l	Table (o)	Height (cm)	ANT	
No.	40- 30- 20- 10- 0.0- 2370 Frequency	Results			Frequency (MHz)	l		-	ANT	
No.	40- 30- 20- 10- 0.0- 2370 Frequency (MHz)	Results (dBuV/m)	(dB)	(dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	(o)	(cm)		Verdi
No. 1	40- 30- 20- 10- 2370 Frequency (MHz) 2401.942	Results (dBuV/m) 86.45	(dB) -3.57	(dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 12.45	Detector Peak	(o) 142.00	(cm) 100	Horizontal	Verdi
	40- 30- 20- 10-  2370 Frequency (MHz) 2401.942 2400.000	Results (dBuV/m) 86.45 61.28	(dB) -3.57 -3.57	(dBuV/m) 74.0 74.0	Frequency (MHz) Over Limit (dB) 12.45 -12.72	Detector Peak Peak	(o) 142.00 131.00	(cm) 100 100	Horizontal Horizontal	Verdie N/A Pass

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]	Product:		Wireless	speaker		Detect	tor		Vertical	
	Mode		Keeping Transmitting		Test Voltage		DC3.7V			
Te	emperature		24 deg. C,			Humid	ity 56% RH			
Te	est Result:		Pa							
	rt 15C Class B 1GHz-18GH	-1z -2								
	90- 80- 70- 60-					M4	M2/	M1		
level (dBuV/m)	50- 40- 30- 20- 10- 2370	nadou a di ve njene in de su dider a ma	ะสารมีเกิดขึ้นสารได้สารมีได้	al potenci di di dette cha bata di					Manual Horan	2410
	40 - 30 - 20 - 10 - 2370			1	Frequency (MHz)	Detector	Table	Height		2410
	40- 40- 40- 40- 40- 40- 40- 40-	Results (dBuV/m)	Factor	Limit	Frequency (MH2)	Detector	Table (o)	Height (cm)	ANT	2410
No.	40 - 30 - 20 - 10 - 2370	Results		Limit	Frequency (MHz)	Detector	Table (o) 193.00	-		2410
(w/ngp) level (dgn/w) No.	40- 30- 20- 10- 2370 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)		(0)	(cm)	ANT	241(
No.	40- 30- 20- 10- 2370 Frequency (MHz) 2402.222	Results (dBuV/m) 73.36	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) -0.64	Peak	(o) 193.00	(cm) 100	ANT Vertical	2410 Verdio Pass

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]	Product:		Wireles	ss speaker		P	olarity		Horizont	al
	Mode		Keeping Transmitting				Test Voltage		DC3.7V	
Te	emperature		24 deg. C,				umidity		56% RH	
Te	est Result:		F	Pass						
CC Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
g 8	90		M							
				$\lambda$						
6	50-			M2						
level (dBuV/m)	50 - 50 - 40 -	Himmer and Market		M2		lla dillarate la cala		National design of the state	al frequentity of a signal states for	trippeorpe date
level (dBuV/m)	50- 10-	ildistansis set better		M2		U. Hillion Helman Inco		Hine to cred to be played and	a l y analynch and y attach	estyr.orgid.ki
level (dBuV/m) 5 2 2	50 - 40 - 30 -	ildinidense sense kuljukitetete		M2		lille and the		Meriosa karat una a	all y construction and a second second	entgeworged die
(m (July (dBu//)m)) 4 3 2 1 1 0	50 - 40 - 30 - 20 -			M2 2483.			a alla della de	Herebourd and a second	a Linconstant and a sector of the sector of	2500
(m (July (dBu//)m)) 4 3 2 1 1 0	50 - 40 - 30 - 20 - 10 -	Results (dBuV/m)	Factor (dB)	2483. Limit (dBuV/m)	5	Detector	Table (o)	Height (cm)	ANT	
5 5 evel (dBul/)m) 9 evel (dBul/)m) 1 0	50 - 10 - 20 - 10 - 2470 Frequency			Limit	5 Frequency (MHz) Over		Table	Height		2500 Verdic

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]	Product:		Wireless	speaker		Detect	or		Vertical	
	Mode	ŀ	Keeping Tra	ansmitting		Test Vol	tage		DC3.7V	
Te	mperature		24 de	g. C,		Humid	ity		56% RH	
Τe	est Result:		Pas	5S						
	rt 15C Class B 1GHz-18GH E+2- 90- 80- 70-	łz -2	MI	Mar						
level (dBuV/m)	60 - 50 - 40 - Letter di contrat du la 30 - 20 - 10 - 20 - 270	, del aleman est at si a di spole del		2483.5	Frequency (MHz)	na bha stàithte tha an bha stàit tha an bha	Applestery		-th his second states	2500
level (dBuV/m) NO.	50- 40- 30- 20- 10-	Results	Factor	2483.5	5	Detector	Table	Height	ANT	
	50 - 40 - 30 - 20 - 10 - 2470		Factor (dB)	2483.3	; Frequency (MHz)					2500
	50- 40- 30- 20- 10- 2470 Frequency	Results		2483.5 Limit	5 Frequency (MHz)		Table	Height		2500

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

2. The two modulation modes of GFSK, Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

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#### 8.0 Antenna Requirement

#### **Applicable Standard**

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB antenna with gain -0.58dBi maximum. It fulfills the requirement of this section. Test Result: Pass

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#### 9.0 20dB Bandwidth Measurement

**Test Configuration** 



#### **Test Procedure**

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

#### Limit

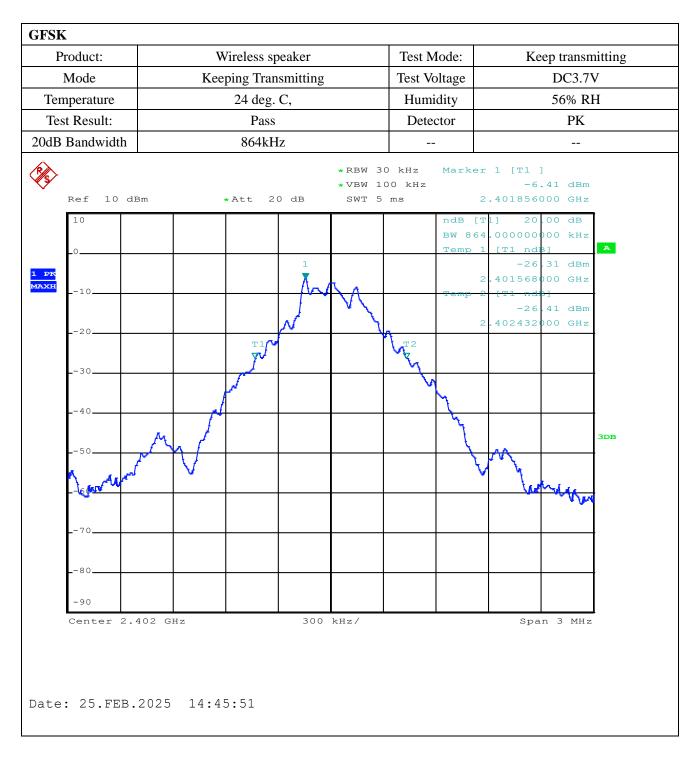
N/A

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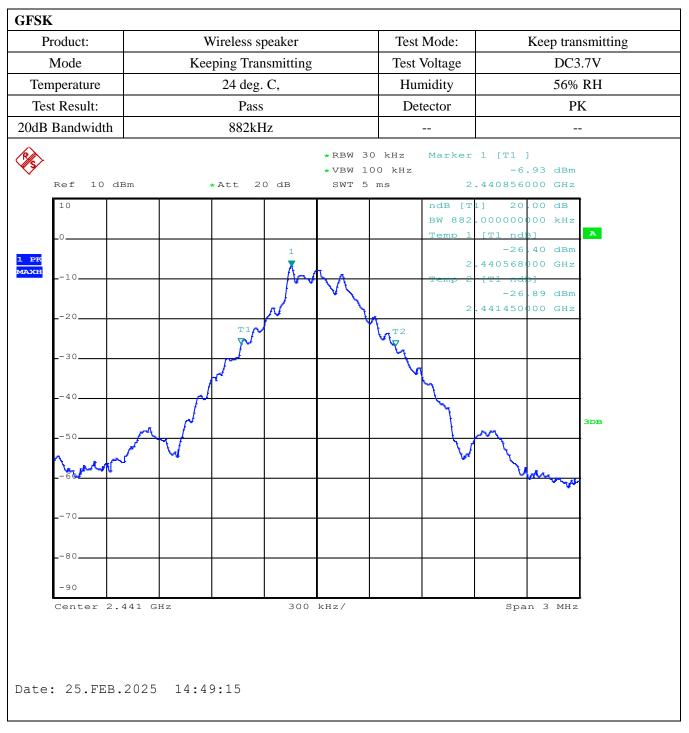
#### **Test Result**



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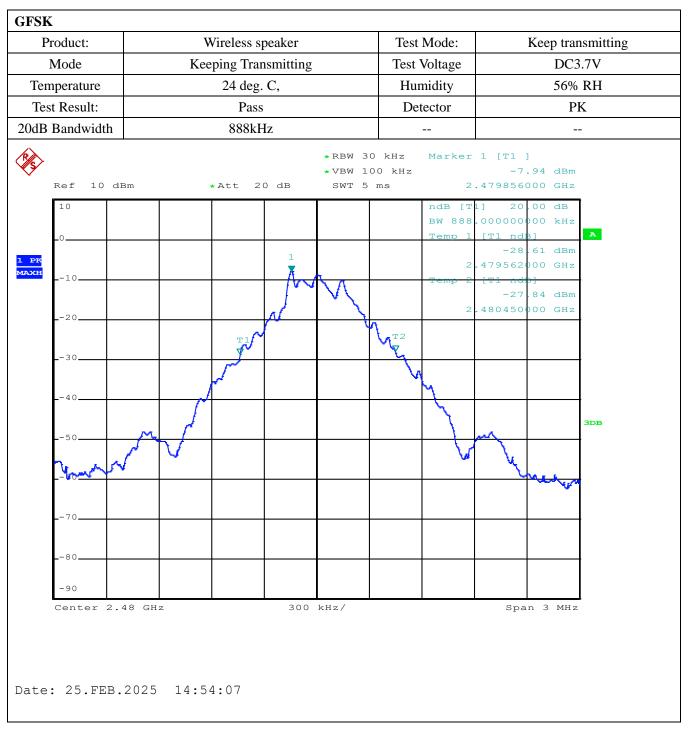




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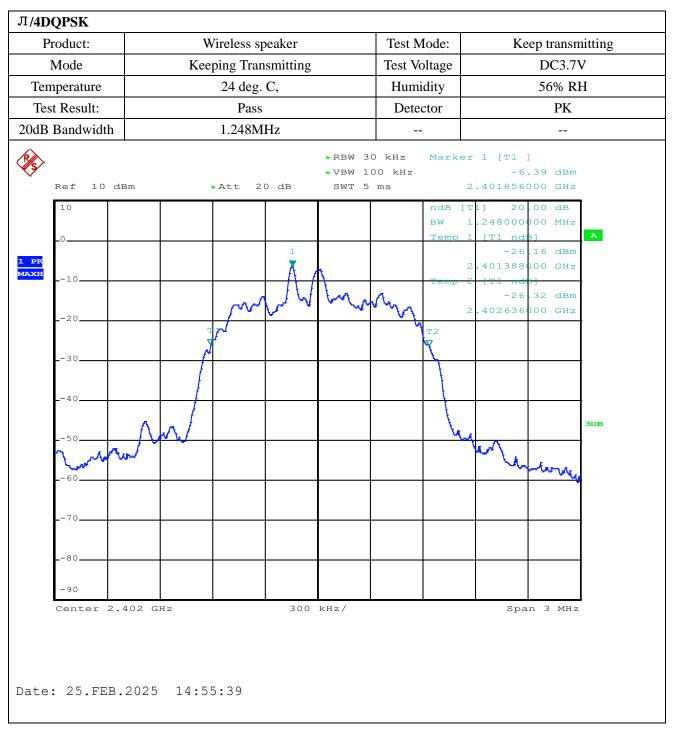




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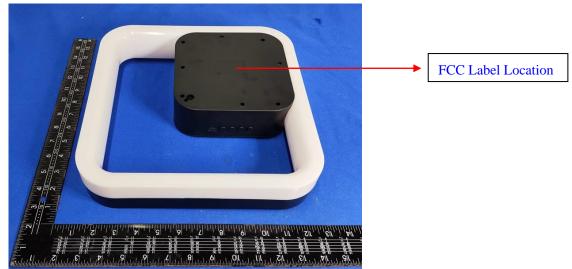
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### 10.0 FCC ID Label

### FCC ID: 2AHN6-AUBS128

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



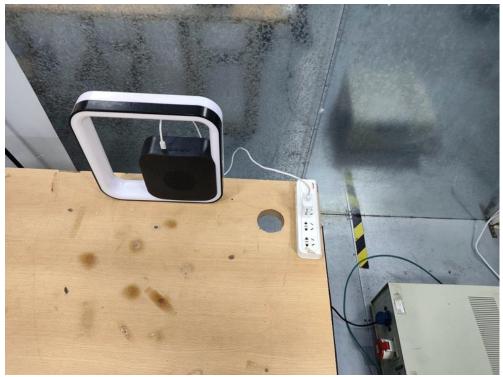
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#### 11.0 Photo of testing

11.1 Conducted test View



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Radiated emission test view



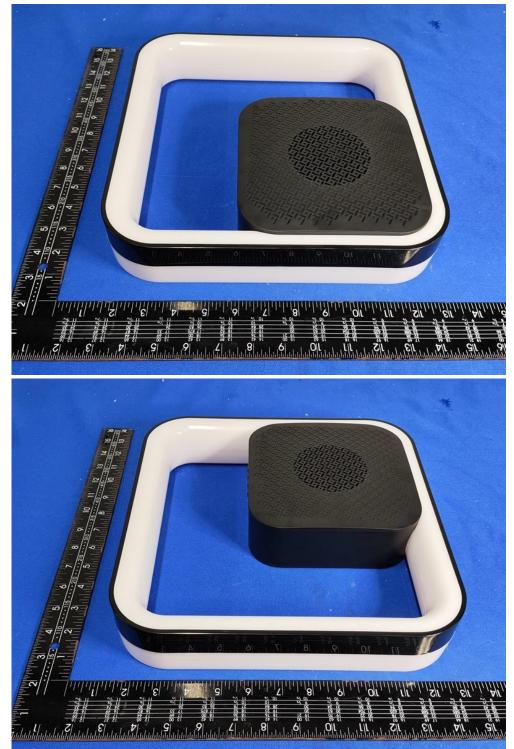
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11.2 Photographs – EUT

Outside View



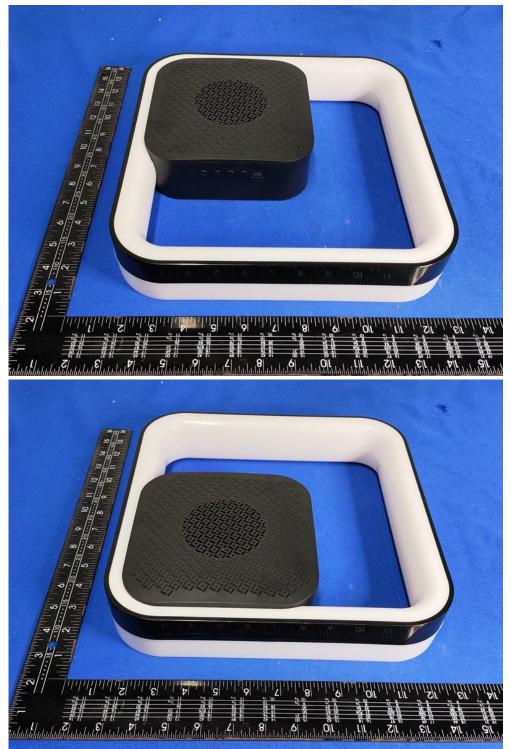
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Outside View

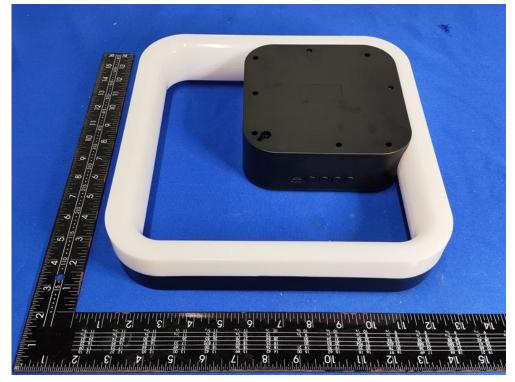


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Outside View

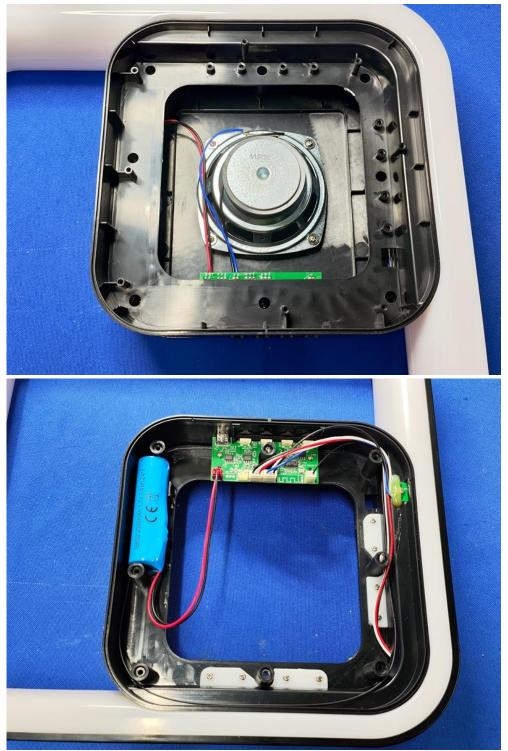


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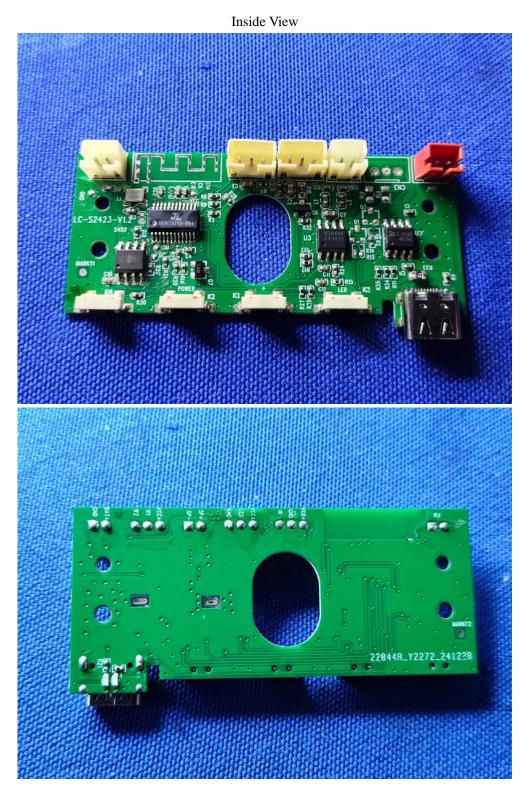
Inside View



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Inside View



--End of the report--

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