

Report No.:	TW2307386E
Applicant:	TECHNOFASHION INC.
Product:	Portable Wireless Speaker
Model No.:	UCCSP02, UCCSP02-1, UCCSP02-2, UCCSP02-3, UCCSP02-4
Trademark:	N/A
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:

August 08, 2023

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:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

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

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of testing Laboratories.

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

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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, ChinaTelephone:(755) 83448688Fax:(755) 83442996Site on File with the Federal Communications Commission – United SatesRegistration Number: 744189For 3m Ane-bic Chamber

1.2 Applicant Details

Applicant:	TECHNOFASHION INC.
Address:	127, Kingsland Ave, Clifton, NJ, USA, 07014
Telephone:	+1 (973) 866 7373
Fax:	

1.3 Description of EUT

Product:	Portable Wireless Speaker
Manufacturer:	TECHNOFASHION INC.
Address:	127, Kingsland Ave, Clifton, NJ, USA, 07014
Trademark:	N/A
Model Number:	UCCSP02
Additional Model Name	UCCSP02-1, UCCSP02-2, UCCSP02-3, UCCSP02-4
Rating:	Input: DC5V, 1A, Output: 15W
Battery:	DC3.7V, 800mAh Li-ion battery
Modulation Type:	GFSK, JI/4DQPSK for Bluetooth
Operation Frequency:	2402-2480MHz
Channel Number:	79
Channel Separation:	1MHz
Hardware Version:	HCJ-1696CH-4-1VB
Software Version:	V5.1
Serial No.:	UCCSP02202305
Antenna Designation	PCB antenna with gain 0dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

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- 1.5 Test Duration 2023-07-24 to 2023-08-08
- 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	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100253	2023-07-14	2024-07-13
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2023-07-14	2024-07-13
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2023-07-14	2024-07-13
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	2024-07-17
Power meter	Anritsu	ML2487A	6K00003613	2023-07-14	2024-07-13
Power sensor	Anritsu	MA2491A	32263	2023-07-14	2024-07-13
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	2023-07-14	2024-07-13
EMI Test Receiver	RS	ESCS 30	834115/006	2023-07-14	2024-07-13
Spectrum	HP/Agilent	E4407B	MY50441392	2023-07-14	2024-07-13
Spectrum	RS	FSP	1164.4391.38	2023-07-14	2024-07-13
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2023-07-14	2024-07-13
RF Cable	Zhengdi	7m		2023-07-14	2024-07-13
Pre-Amplifier	Schwarebeck	BBV9743	#218	2023-07-14	2024-07-13
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2023-07-14	2024-07-13
LISN	SCHAFFNER	NNB42	00012	2023-07-14	2024-07-13
ESPI Test Receiver	R&S	ESPI 3	100379	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13

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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The EUT has been tested according to the following specifications:

3.0 Technical Details

3.1 Summary of test results

The EOT 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	

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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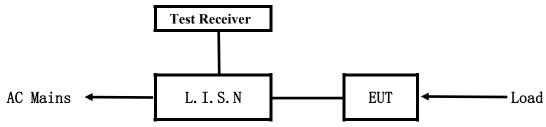
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

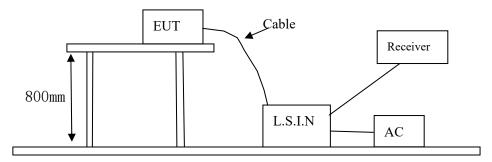


EUT: Equipment Under Test

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 50ohm/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
11.	LUI

Device	Manufacturer	Model	FCC ID
Portable Wireless Speaker	TECHNOFASHION INC.	UCCSP02, UCCSP02-1, UCCSP02-2, UCCSP02-3, UCCSP02-4	2AZBO-N00022

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B. Internal Device

2.				
	Device	Manufacturer	Model	FCC ID/DOC
	N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A;
			Output: DC5V, 2A

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

5.5 Power line conducted Emission Limit according to Paragraph 15.207

	0 0 1	
Frequency	Limits (d	lΒ 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

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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Ρ

Ρ

Ρ

Ρ

Ρ

QP

QP

AVG

AVG

QP

Conducted Emission on Live Terminal (150kHz to 30MHz) A: **EUT Operating Environment** Humidity: 65%RH Atmospheric Pressure: 101 kPa Temperature: 25°C EUT set Condition: Charging + Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class B_QP 60 FCC Part 5 CE-Class B_AVe 50 40 30 peak 20 10 0 -10 -20 (MHz) 0.150 30.000 Frequency Reading Factor Level Limit Margin P/F No. Detector (dBuV) (dBuV) (MHz) (dB) (dB) (dBuV) 1 QP Ρ 0.2800 29.76 9.76 39.52 60.82 -21.30 2 Ρ 9.76 37.23 0.2810 27.47 50.79 -13.56 AVG 3 Ρ 0.6370 28.61 9.78 38.39 56.00 -17.61 QP 4 0.6370 25.06 9.78 34.84 46.00 AVG Ρ -11.16 5 1.9140 35.16 -10.84 AVG Ρ 25.36 9.80 46.00

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28.93

27.64

24.01

5.35

24.64

9.80

9.91

9.91

10.42

10.42

38.73

37.55

33.92

15.77

35.06

56.00

56.00

46.00

50.00

60.00

-17.27

-18.45

-12.08

-34.23

-24.94

6

7

8

9

10

1.9150

4.4689

4.4699

15.6060

15.6310

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Conducted Emission on Neutral Terminal (150kHz to 30MHz) **B**: **EUT Operating Environment** Temperature: 25℃ Humidity: 65%RH Atmospheric Pressure: 101 kPa EUT set Condition: Charging + Communication by BT **Results: Pass** Please refer to following diagram for individual dBu¥ 80.0 70 FCC Part15 CE-Class B_QP 60 FCC Part 5 CE-Class B_AVe 50 40 30 20 AVG 10 0 -10 -20 (MHz) 0.150 30.000 Frequency Reading Factor Level Limit Margin P/F No. Detector (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 1 0.1920 19.82 9.76 29.58 53.95 -24.37 AVG Ρ 2 9.75 Ρ 0.1930 33.18 63.91 -30.73 QP 23.43 3 0.2819 26.73 9.76 36.49 Ρ 60.76 -24.27 QP 0.2819 Ρ 4 24.69 9.76 34.45 50.76 -16.31 AVG 5 0.6280 20.64 9.78 30.42 56.00 -25.58 QP Ρ 0.6289 9.78 21.39 AVG Ρ 6 11.61 46.00 -24.61 7 Ρ 9.80 QP 1.9040 24.35 34.15 56.00 -21.85 8 1.9040 21.09 9.80 30.89 46.00 -15.11 AVG Ρ 9 18.0360 25.64 10.56 36.20 -23.80 QP Ρ 60.00 10 18.0479 6.64 10.56 17.20 50.00 -32.80 AVG Ρ

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6 Radiated Emission Test

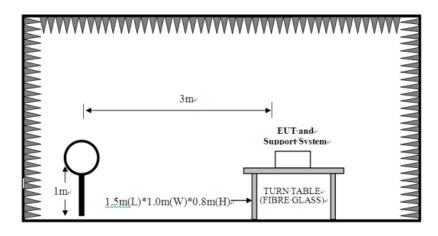
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size 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

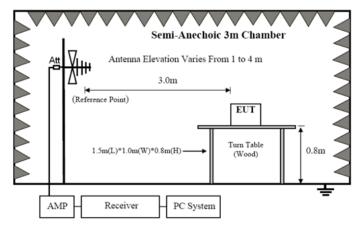


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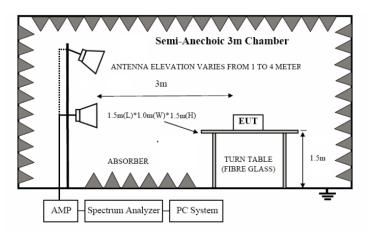
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For radiated emissions from 30MHz to1GHz



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:

A FCCTart 15 Subp		agraph 13.247(a) Linnt		
Fundamental Frequency	Field Stre	ength of Fundamental (3m)	Field S	trength of Harmonics (3m)
(MHz)	mV/m	dBuV/m	uV/m	dBuV/m

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

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2	2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)
Note:	1. RF Field Streng	gth (dBuV)	= 20 log 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.

Frequency Range (MHz) Distance (m) Field strength (dB μ V/m) 0.009-0.490 3 $20\log(2400/F(kHz)) + 40\log(300/3)$ 0.490-1.705 3 $20\log(24000/F(kHz)) + 40\log(30/3)$ 3 1.705-30 69.5 30-80 3 40.0 88-216 3 43. 216-960 3 46.0 Above 960 3 54.0

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

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 and Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

6. This is a portable device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

7. Battery fully charged was used during the test.

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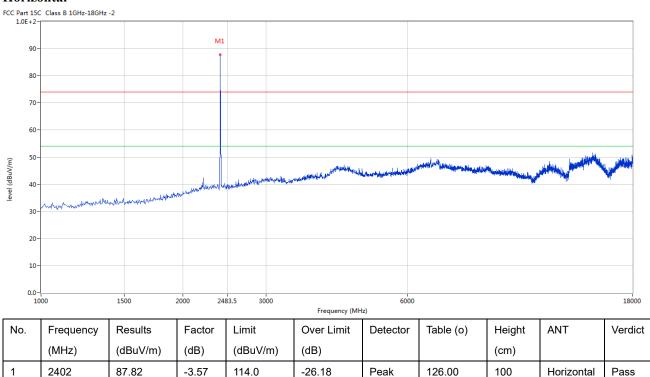


6.5 **Test result Fundamental & Harmonics Radiated Emission Data** A

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

Horizontal

1



-26.18

Peak

126.00

100

Horizontal

Pass

The report refers only to the sample tested and does not apply to the bulk.

87.82

-3.57

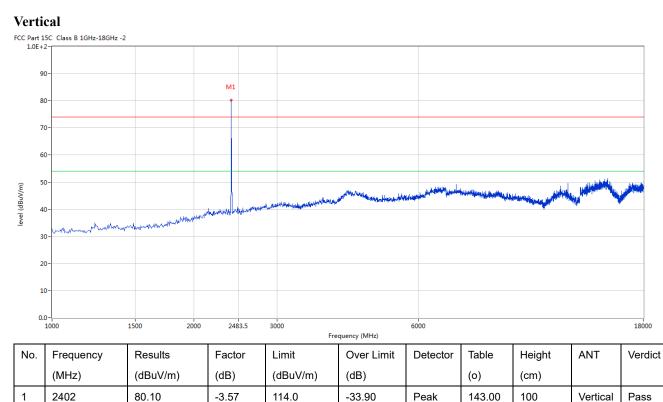
114.0

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2402

1





-33.90

Peak

100

Vertical

Pass

The report refers only to the sample tested and does not apply to the bulk.

-3.57

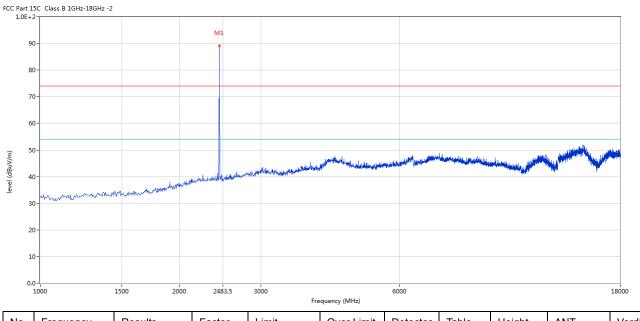
114.0

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

Horizontal

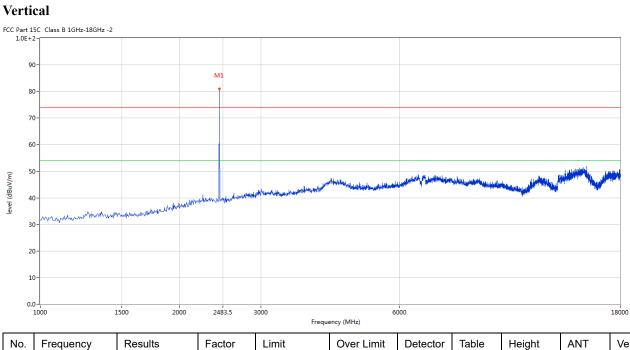


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	89.00	-3.57	114.0	-25.00	Peak	143.00	100	Horizontal	Pass

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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	81.03	-3.57	114.0	-32.97	Peak	52.00	100	Vertical	Pass

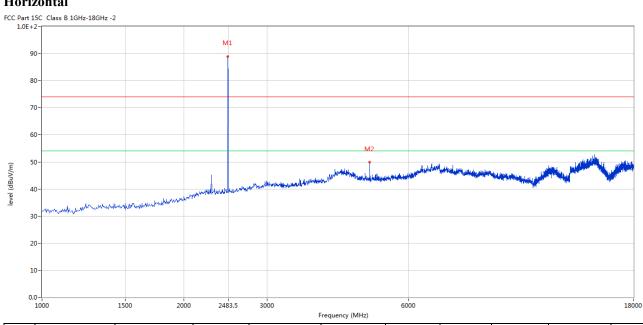
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal

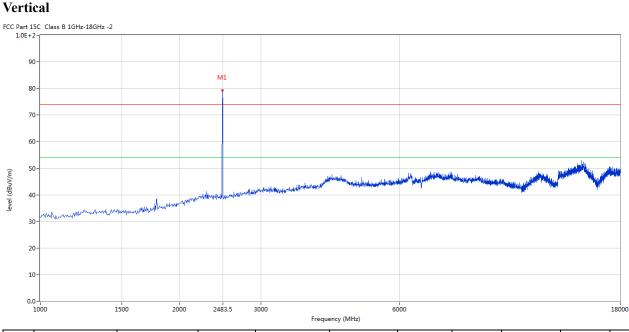


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	88.95	-3.57	114.0	-25.05	Peak	143.00	100	Horizontal	Pass
2	4960.010	49.89	3.36	74.0	-24.11	Peak	148.00	100	Horizontal	Pass

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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	79.55	-3.57	114.0	-34.45	Peak	56.00	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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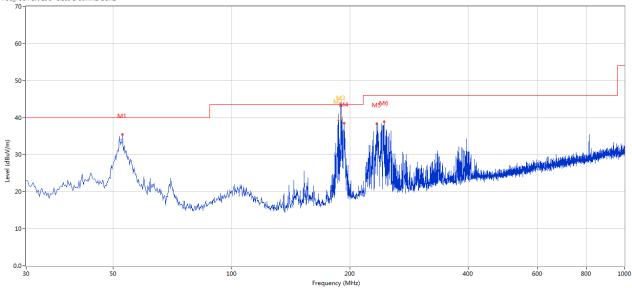
B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	52.789	35.48	-11.48	40.0	4.52	Peak	291.00	100	Horizontal	Pass
2	186.812	43.50	-14.65	43.5	0.00	Peak	355.00	139	Horizontal	N/A
2*	186.812	39.32	-14.65	43.5	4.18	QP	355.00	139	Horizontal	Pass
3	189.988	44.28	-14.33	43.5	-0.78	Peak	330.00	147	Horizontal	N/A
3*	189.988	40.40	-14.33	43.5	3.10	QP	330.00	147	Horizontal	Pass
4	193.647	38.46	-13.86	43.5	5.04	Peak	341.00	100	Horizontal	Pass
5	234.376	38.38	-12.53	46.0	7.62	Peak	4.00	100	Horizontal	Pass
6	244.559	38.85	-12.24	46.0	7.15	Peak	2.00	100	Horizontal	Pass

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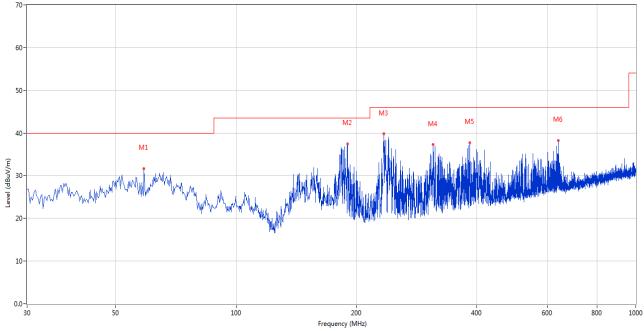
Radiated Emission In Vertical (30MHz----1000MHz)

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	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	58.850	31.68	-12.84	40.0	8.32	Peak	298.00	100	Vertical	Pass
2	190.010	37.46	-14.33	43.5	6.04	Peak	323.00	100	Vertical	Pass
3	234.376	39.75	-12.53	46.0	6.25	Peak	360.00	100	Vertical	Pass
4	311.230	37.24	-10.73	46.0	8.76	Peak	28.00	100	Vertical	Pass
5	384.931	37.74	-9.20	46.0	8.26	Peak	1.00	100	Vertical	Pass
6	639.978	38.29	-4.77	46.0	7.71	Peak	360.00	100	Vertical	Pass

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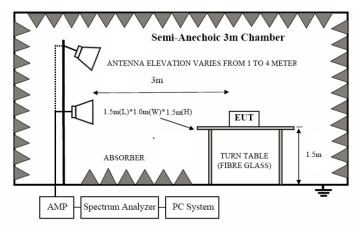


7. Band Edge

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

-	Product:	Po	rtable Wire	eless Speaker		Polar	ity		Horizontal	
	Mode	H	Keeping Tr	ansmitting		Test Vo	ltage		DC3.7V	
Te	mperature		24 de	g. C,		Humic	lity		56% RH	
Τ¢	est Result:		Pa	SS						
	Part 15C Class B 1GHz-18 1.0E+2-r	IGHz -2								
									M1	
	90-								\wedge	
	80-							/	\leftarrow	
	70-							/		
	60-									
								M2		
									N	
(m/)	50-								- \ ·	
dBuV/m)						N	13		$\langle \rangle$	
vel (dBuV/m)		he Virigen Annalysis and the state of the st	fstationstations and arreated in the	h di dinash dinasi ya ku dan ak mban di kili di na da		N Kalatan distriktionen australisis	13	HALPHARD		والمردية والمراجع
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level (dBuV/m)		in the particular spectrum in the particular struggers and	that a three and a the legit of	galantikan production käiten 14	dy an far all her selver in the selver in the	N Kylesty, ellesterterte og av til støde	13 Alife Anna da	Harbeiger	<u> </u>	n an
level (dBuV/m)	40-	hi Mandan kurun Mandan kurun hi	th in its many horn which	interstation product and an effective of the	opaah del suostan juha sharan juha	N Watanaksitikitana agusoda	13 Alexandra (Januarian)	#htebalan		und die ja begegehetige
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level (dBuV/m)	40- Maryal diftation and 30-	bellege besternet. Men som besternet av	feldenstaansenselenteringin h	gindanstrikensen generalen erkölser for er	dyund hall besystemisyda nillestada as sida	N Kolonadorijsko na na povoda	13 areana (antoine)	##habetiger		and the for the state of the st
level (dBuV/m)	40 - bit activitation inter- 30 - 20 - 10 -	hallen berspricht Angesten Berstenden son geseine	fel fan útsteren verke infin d	hjadanstrikansan kurdun perkentekset kurde	dyanak-delaksistensida	N Kalending dengen kanangan	13 47-47-1- (44-96-74)	Hisabetaur		AND I Level
level (dBuV/m)	40 - <mark>bir veddigtableffil i de</mark> 30 - 20 -	bellen bestern det Mentalen besternen be	feldensteren er en	gindanstrikansen jund angeteksen tekseteksen et	doodd diwylyn y Andreid yn y da Frequency (MHz)	N Konsensensensensensensensensensensensensen	13 47-14-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	Histophiliper		2410
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10.	40- 30- 20- 10- 0.0- 2350 Frequency	Results	Factor	Limit	Frequency (MHz)	kleineksisteren en e	Table	Height		2410
	40- 30- 20- 10- 0.0- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2410 Verdie
Jo.	40- 30- 20- 10- 2350 Frequency (MHz) 2402.067	Results (dBuV/m) 87.71	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 13.71	Detector	Table (o) 141.00	Height (cm) 100	ANT Horizontal	2410 Verdie

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	Product:	Po	rtable Wire	eless Speaker		Detect	tor		Vertical			
	Mode]	Keeping Transmitting				Test Voltage		DC3.7V			
Te	emperature	24 deg. C, Pass				Humid	lity	56% RH				
Te	est Result:											
	rt 15C Class B 1GHz-18GH E+2-r	Hz -2										
1.0	E+2-											
	90-								M1			
	80-								M1			
	70-							/	~ <u>}</u>			
	/0-											
	60-											
ê	50-											
m//m								M2				
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level (dBuV/r	utidandayanatu dari dari dari dari dari dari dari dari	างร่างการเสร็จสารแข่งรับการสุขางการเขา	germanis ditare anta gan dagi	nhallensamlinnenn että välekäättönenni	ndi fanasi Marpenn dagai da yan gagi a sin		s Johang gikansi sintender	erstieden hand		intelle angleta		
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level (dBuV/r	ution, at unit unit all an all and a second	nelonisaladan disensativiseon da	94400.400 All and and an and a second se	nin filoson de manesen en filoso de la de la de la deserva	Frequency (MHz)		s heines filen eine der seine 	essieduded •				
level (dBuV/r	20- 10-	Results	Factor	Limit			i histoficulta Andrea Table	Height	ANT	2410		
	20- 10- 2350				Frequency (MHz)	non frank and frank a	Vitus) (Henris Agraine	Height (cm)	ANT	2410		
	30- 20- 10- 2350 Frequency	Results	Factor	Limit	Frequency (MHz)	non frank and frank a	Table	•	ANT	2410		
No.	00- 00- 2550 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	(cm)		2410 Verdic		
No.	20- 10- 2350 Frequency (MHz) 2402.097	Results (dBuV/m) 79.96	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 5.96	Detector	Table (o) 144.00	(cm) 100	Vertical	2410 Verdic N/A		

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-	Product:	1			er	Polarity			Horizontal		
	Mode		Keeping '	Transmitting		Test Voltage			DC3.7V		
Te	mperature		24 deg. C,						56% RH		
Τ¢	est Result:		Pass								
	t 15C Class B 1GHz-18GH E+2-r	Hz -2									
1.0	L+2-		м	1							
	90 -		P	Mar Marine							
	80-			\rightarrow							
	70-		_/_								
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level (dBuV/m)	40 - 40 - 40 - 40 - 40 - 40 - 40 - 40 -	di bilaka basa ana dia bilak		•••••			ր, ,, լ, ուս, վես, վել, վել,	Honey any index a lange of	u landa an	uhanuhandat da	
level (dBuV/m)	40 - 30 - 20 -			248	3.5 Frequency (MHz)		કુ ય, પ્રત્યા કરવી મેળવુ એ તે કુક	lleneed angebool eeu da	n na	250	
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	40		Factor (dB)	1	Frequency (MHz)					r	
	40	Results		Limit	Frequency (MHz)		Table	Height		2500 Verdia	

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-	Product:	Por	rtable Wire	less Speaker		Vertical DC3.7V					
	Mode	ŀ	Keeping Tr	ansmitting	Test Voltage						
Te	emperature		24 deg. C,				Humidity		56% RH		
Te	est Result:		SS								
	rt 15C Class B 1GHz-18G E+2- 90- 80- 70- 60-	tz -2	MI								
level (dBuV/m)	50 - 40 - 30 - 20 - 10 -	ostraduisea assi iyoodid	,	M2	M _{alan} er-mödenhölderbelandradt	ytik ükeniyterine	nforbætning fan	Ndenenlaufsfeliefenseelen	neeneen vij die staan seeneen ge	wijestik de Alinean	
level (dBuV/m)	40	ostradaðina vesti tipndijuli		M2 2483.		y tijke lide podgete de secon	ารู้เจะได้สารระสู <i>โปรสุป</i> 7,คือหรู้เอ		neretan ika kata ana ay	2500	
level (dBuV/m) No.	40	Results (dBuV/m)	Factor (dB)	2483. Limit (dBuV/m)	5	Detector	Table (o)	Height (cm)	ANT	2500	
	40- 40- 30- 20- 10- 0.0- 2470 Frequency	Results		Limit	5 Frequency (MHz) Over Limit		Table	Height			

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

2. For Restricted band test, the three modulation modes of GFSK and Pi/4D-QPSKwere 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. The antenna gain is 0dBi Max. It fulfills the requirement of this section. Test Result: Pass

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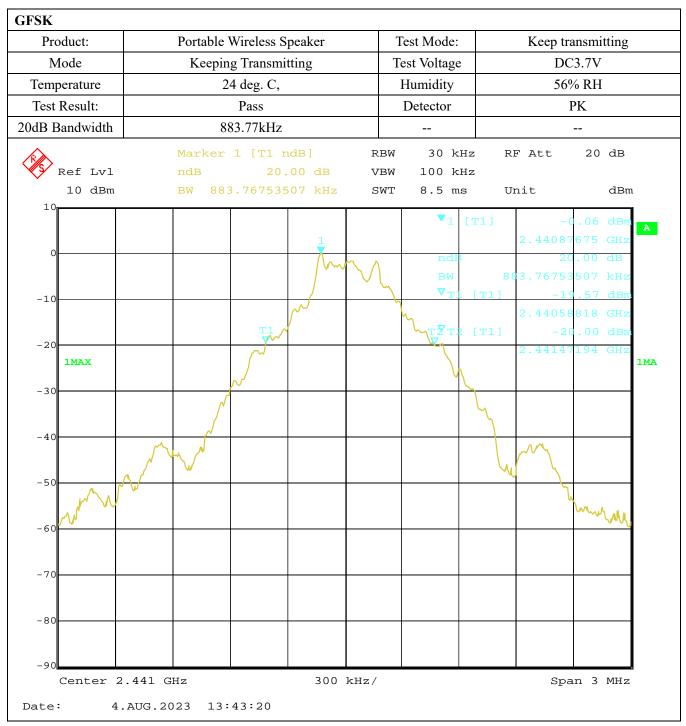
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FSK											
Product:	e Wireless Speaker			Test Mode:		Keep transmitting					
Mode	Keep	ing Transm	nitting		Te	est Voltage	DC3.7V				
Temperature		24 deg. C,			I	Humidity		56% RH			
Test Result:		Pass			Detector			Р	K		
dB Bandwidth		883.77kHz	2					-	-		
Ref Lvl	Marker ndB	1 [T1 r 20.	ndB] .00 dB		BW BW	30 k 100 k		F Att	20 dB		
10 dBm	BW 88	3.767535	507 kHz	SI	νT	8.5 m	s U	nit	dB	m	
10						▼ı	[T1]	_	0.27 dB	m	
			1					2.4018	8277 GH:		
0			M	$\wedge \wedge$		ndB		20	0.00 dB		
				\vee	h	BW ▼⊤1		83.7675			
-10			N		7		<u>[T1]</u>	-2			
		т1 🗸					[T1]		9.94 dB		
-20		~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~						2.4024		z	
-30						V	l,			1	
-40	كيم						d y				
-50							<u> </u>	Mu h			
-60 MM	,							١	month	Δ	
-70											
- 80											
-90 Center 2.4	02 GHz		300	kHz/				Sna	an 3 MH:	z	

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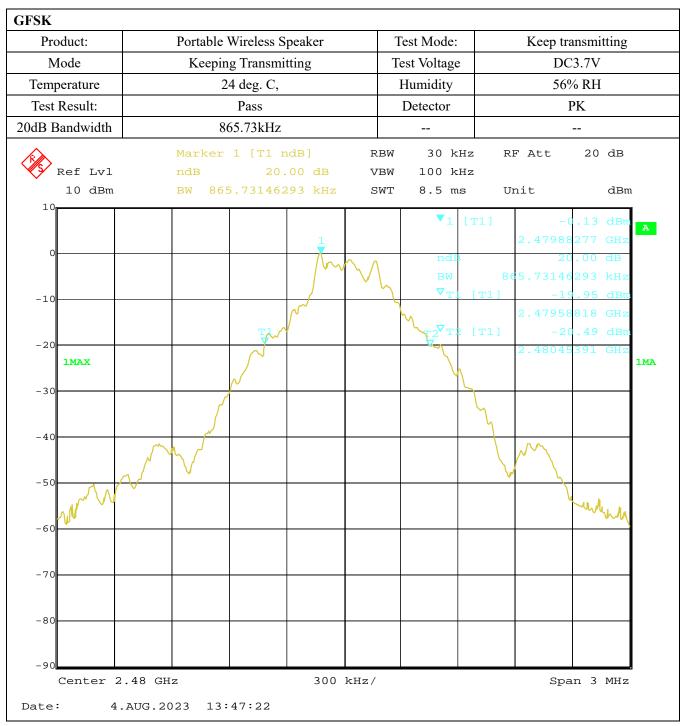




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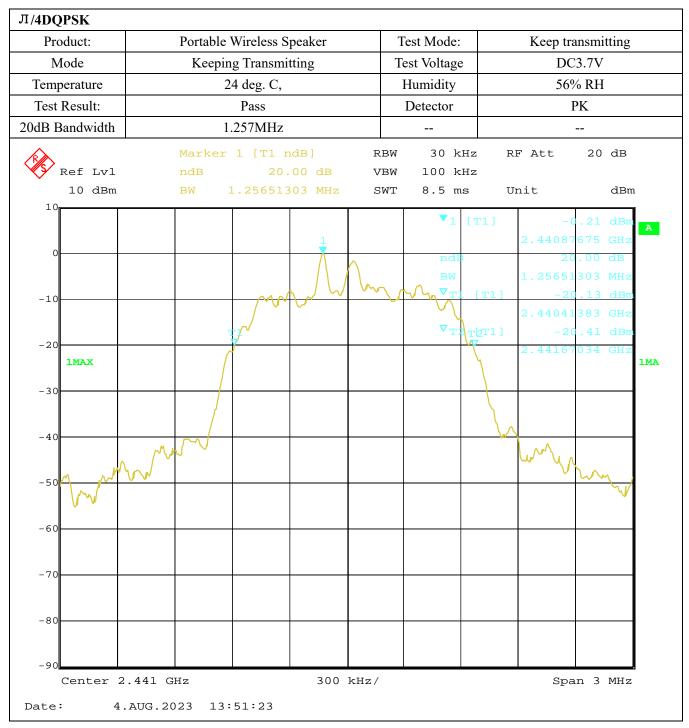
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Product:	Portable Wireless Speaker				Test Mode:		Keep transmitting			
Mode	Keep	Keeping Transmitting				est Voltage				
Temperature	24 deg. C,				Humidity		56% RH			
Test Result:		Pass				Detector		P	K	
0dB Bandwidth		1.226MHz							-	
	Marker	1 [T1 r	ndB]	RI	зм	30 ki	Hz Ri	RF Att 20 di		
Ref Lvl	ndB	20.	.00 dB	VI	ЗW	100 ki	Hz			
10 dBm	BW	1.226452	291 MHz	SI	νT	8.5 m	s Ui	nit	dBn	n
10						▼ı	[T1]	- (1.29 dBm	
			1					2.40187	675 GHz	
0			Ň	\wedge		ndB		20		
						BW √√ ♥⊤1	[T1]	1.22645		
-10					\checkmark	ΥΫ́			383 GHz	
						∇_{T2}	rg[T1]		.43 dBm	
-20		7					<u>x</u>	2.40264	028 GHz	
-30										1M
-40 -50	V WV N							mulu	my	
									have	
-60										
-70										
-80										
-90 Center 2.4	02 GHz		300	kHz/				Spa	an 3 MHz	

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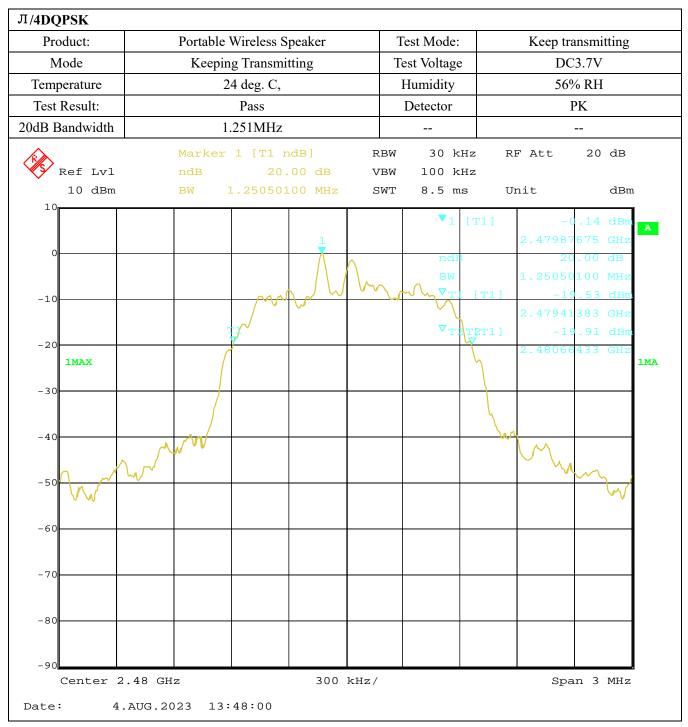




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10.0 FCC ID Label

FCC ID: 2AZBO-N00022

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation 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

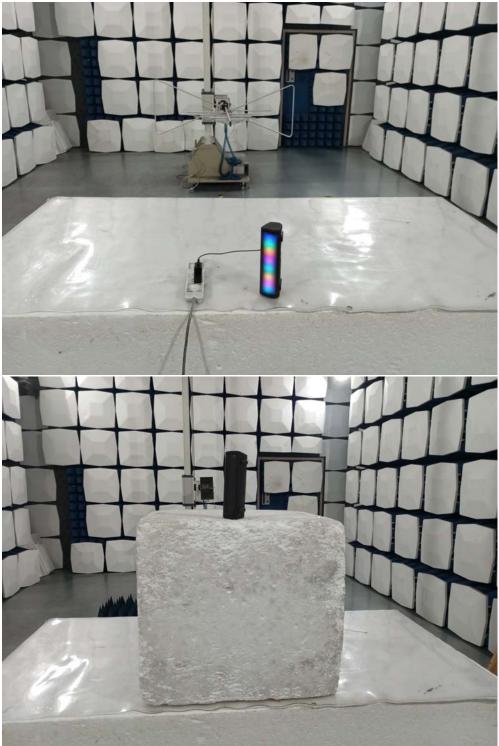
11.1 Conducted test View



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Radiated emission test view



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11.2 Photographs - EUT



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Outside View



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Outside View



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Inside View



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Inside View



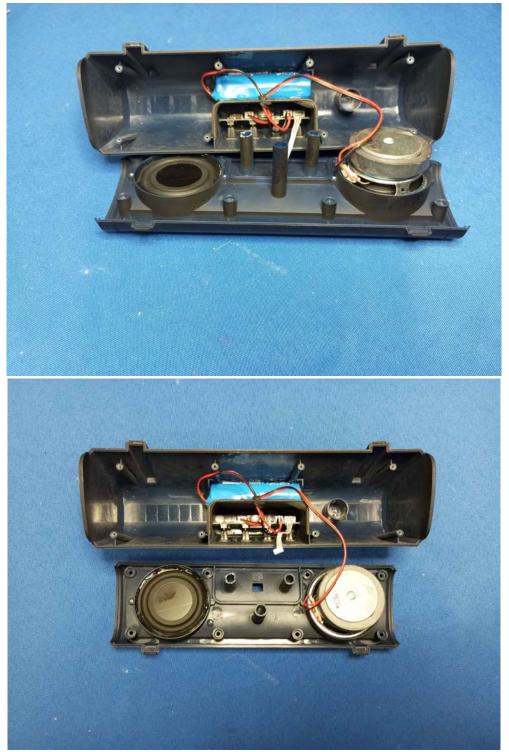
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Inside View



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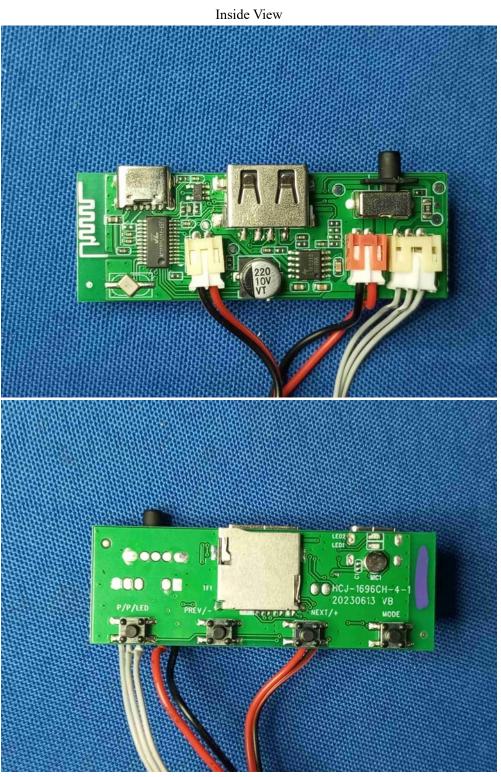
Inside View



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--End of the report--

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