

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

21

Terry Tang

Manager

Dated: August 08, 2023

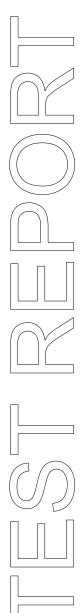
Results appearing herein relate only to the sample tested

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



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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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Test Report Conclusion

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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: 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, J/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

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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3.0 Technical Details

3.1 Summary of test results

The EUT 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

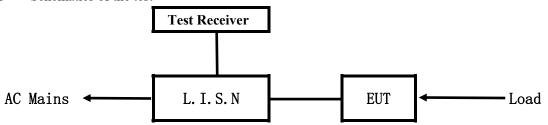
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

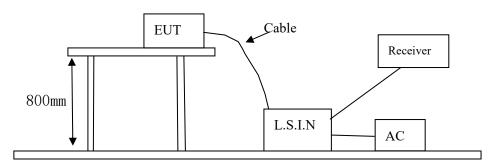


EUT: Equipment Under Test

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

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

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B. Internal Device

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

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 ~ 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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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

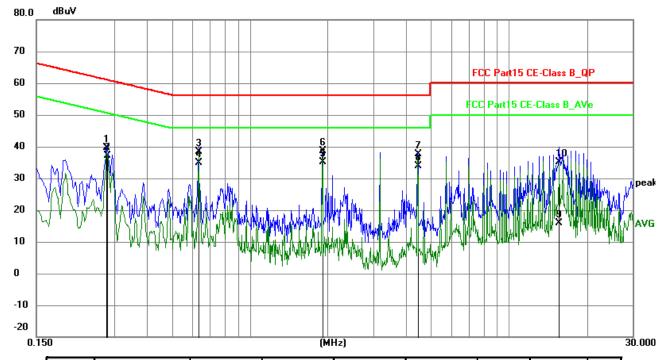
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging + Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.2800	29.76	9.76	39.52	60.82	-21.30	QP	Р
2	0.2810	27.47	9.76	37.23	50.79	-13.56	AVG	Р
3	0.6370	28.61	9.78	38.39	56.00	-17.61	QP	Р
4	0.6370	25.06	9.78	34.84	46.00	-11.16	AVG	Р
5	1.9140	25.36	9.80	35.16	46.00	-10.84	AVG	Р
6	1.9150	28.93	9.80	38.73	56.00	-17.27	QP	Р
7	4.4689	27.64	9.91	37.55	56.00	-18.45	QP	Р
8	4.4699	24.01	9.91	33.92	46.00	-12.08	AVG	Р
9	15.6060	5.35	10.42	15.77	50.00	-34.23	AVG	Р
10	15.6310	24.64	10.42	35.06	60.00	-24.94	QP	Р

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

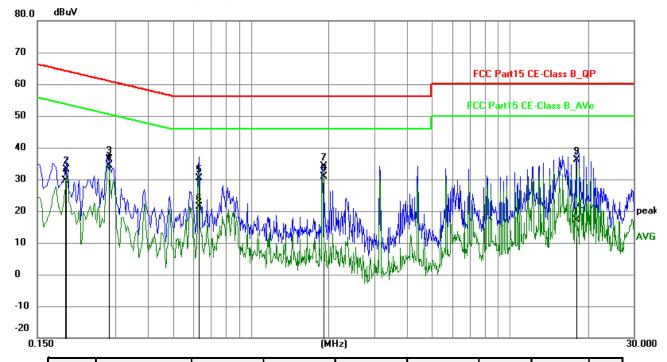
EUT Operating Environment

Temperature: 25°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging + Communication by BT

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector	P/F
1	0.1920	19.82	9.76	29.58	53.95	-24.37	AVG	Р
2	0.1930	23.43	9.75	33.18	63.91	-30.73	QP	Р
3	0.2819	26.73	9.76	36.49	60.76	-24.27	QP	Р
4	0.2819	24.69	9.76	34.45	50.76	-16.31	AVG	Р
5	0.6280	20.64	9.78	30.42	56.00	-25.58	QP	Р
6	0.6289	11.61	9.78	21.39	46.00	-24.61	AVG	Р
7	1.9040	24.35	9.80	34.15	56.00	-21.85	QP Q	Р
8	1.9040	21.09	9.80	30.89	46.00	-15.11	AVG	Р
9	18.0360	25.64	10.56	36.20	60.00	-23.80	Q Q	Р
10	18.0479	6.64	10.56	17.20	50.00	-32.80	AVG	Р

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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:

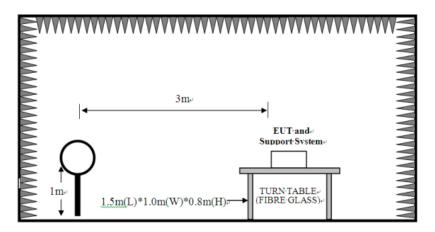
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

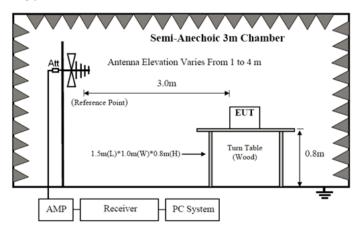


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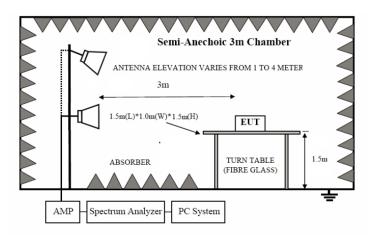
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For radiated emissions from 30MHz to1GHz



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 FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Stre	ength 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)
Z 4 00-Z 4 03.3	30	74 (Average)	11 4 (1 Cak)	500	J+ (Avclage)	/4 (F cak)

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

- 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.

Frequency Range (MHz)	Distance (m)	Field strength (dB μ 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	40.0
88-216	3	43.
216-960	3	46.0
Above 960	3	54.0

Note:

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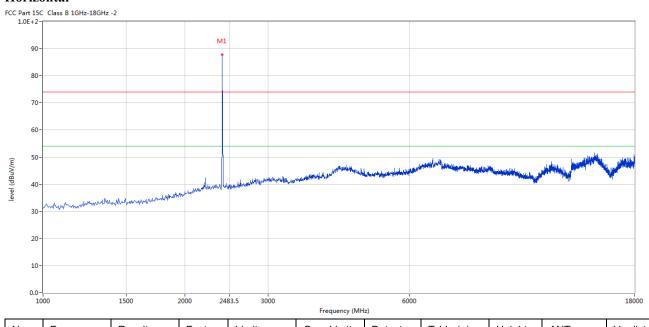


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



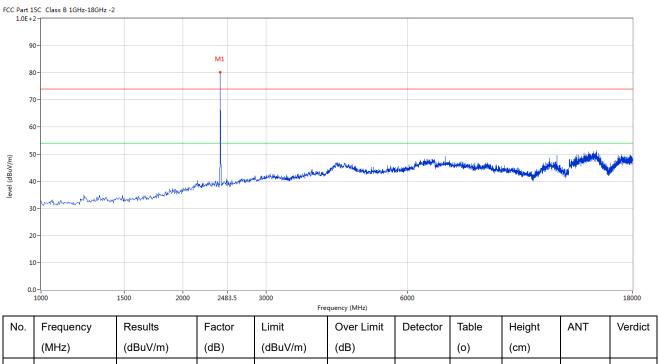
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402	87.82	-3.57	114.0	-26.18	Peak	126.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2402	80.10	-3.57	114.0	-33.90	Peak	143.00	100	Vertical	Pass

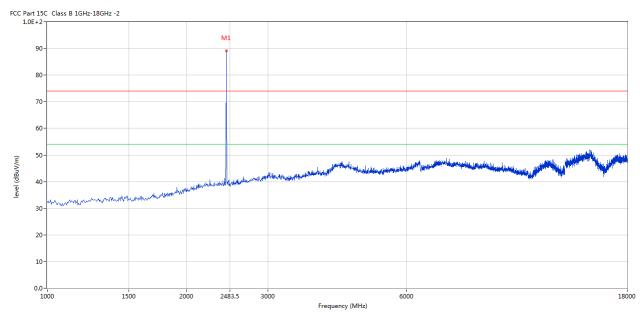
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



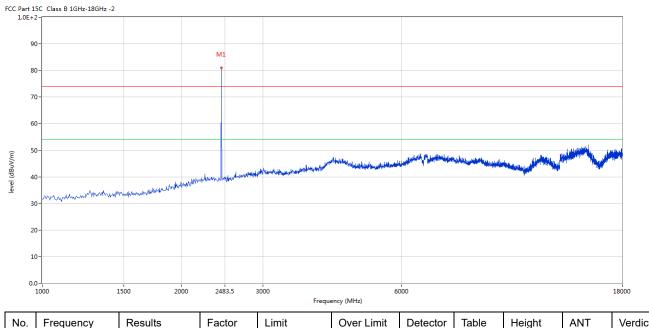
N	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2441	89.00	-3.57	114.0	-25.00	Peak	143.00	100	Horizontal	Pass

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Vertical



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

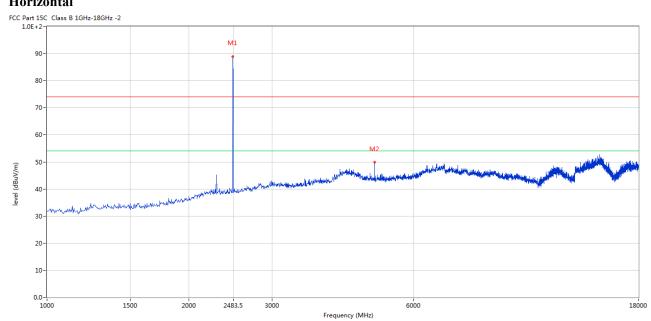
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



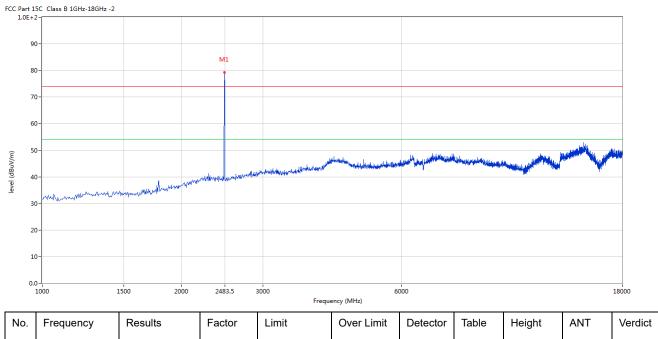
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	88.95	-3.57	114.0	-25.05	Peak	143.00	100	Horizontal	Pass
2	4960.010	49.89	3.36	74.0	-24.11	Peak	148.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(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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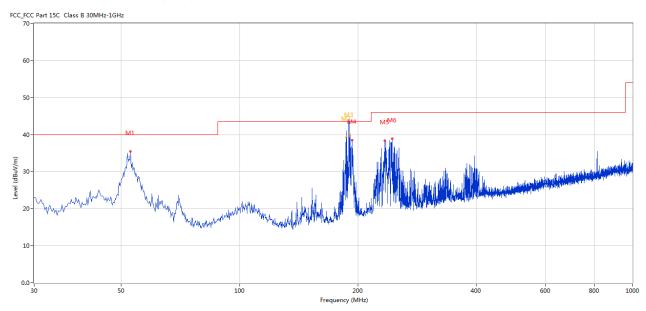


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



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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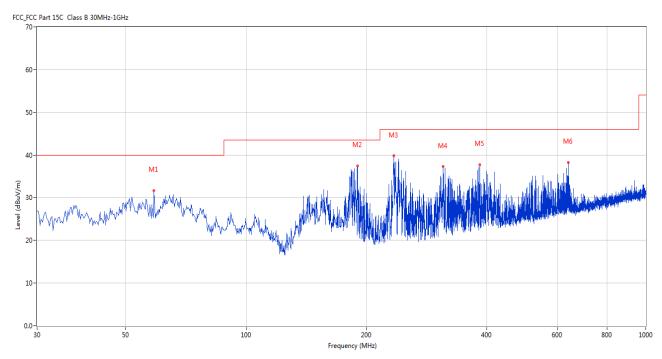


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



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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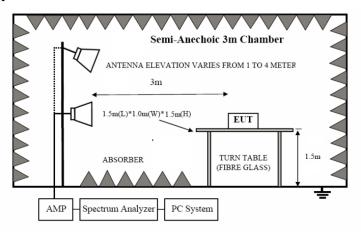


7. Band Edge

7.1 Test Method and test Procedure:

- (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) 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.

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

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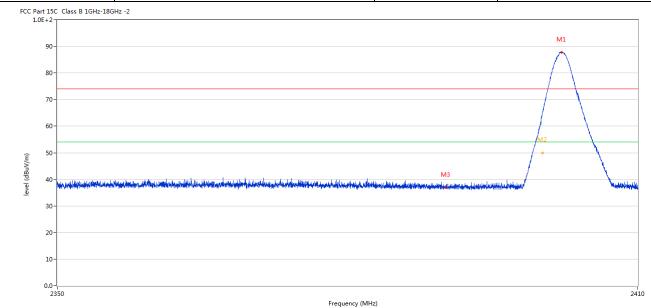
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7.6 Test Result

Product:	Portable Wireless Speaker	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



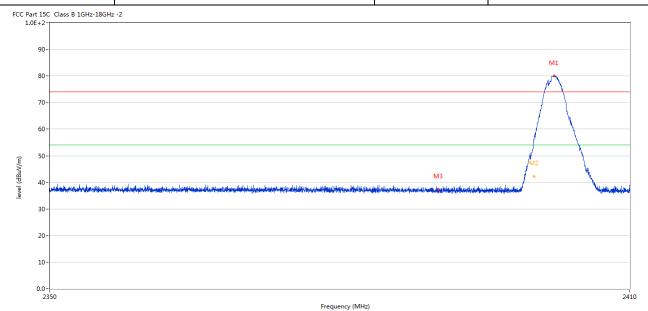
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2402.067	87.71	-3.57	74.0	13.71	Peak	141.00	100	Horizontal	N/A
2	2400.042	64.88	-3.57	74.0	-9.12	Peak	141.00	100	Horizontal	Pass
2**	2400.042	49.83	-3.57	54.0	-4.17	AV	141.00	100	Horizontal	Pass
3	2390.010	36.91	-3.53	74.0	-37.09	Peak	236.00	100	Horizontal	Pass

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Date: 2023-08-08

Product:	Portable Wireless Speaker	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402.097	79.96	-3.57	74.0	5.96	Peak	144.00	100	Vertical	N/A
2	2400.027	57.17	-3.57	74.0	-16.83	Peak	144.00	100	Vertical	Pass
2**	2400.027	42.13	-3.57	54.0	-11.87	AV	144.00	100	Vertical	Pass
3	2390.055	37.29	-3.53	74.0	-36.71	Peak	360.00	100	Vertical	Pass

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]	Product:	Po	ortable Wi	reless Speak	er	P	olarity		Horizont	al
	Mode		Keeping 7	Fransmitting		Tes	t Voltage		DC3.7V	
Te	mperature		24 d	leg. C,		Hı	ımidity		56% RF	H
Te	est Result:		F	Pass						
FCC Par	t 15C Class B 1GHz-18GF E+2-	lz -2								
	90-		M	1						
	70-				2					
level (dBuV/m)	40-		/			Markey Constitution of the	أورجر فيطرفنو يمارك والمراد والماري وجروه	Kristak sa lapia den din kid al apia adil	ologosis en	Lefterer har deftet de
level (dBuV/m)	ارزواني	Hilliphi kumandal kalika				Ald Marine	والمرابعة المرابعة ا	Marie Land Company and Assembly Company and Assembl	d en	in the second section of the
	30-	HIMAHAI MAAAAAAAAAAAAAAAAAAAAAAAAAAAAAAA				Marie	payer digital seed beautiful phet	Province any indicate the state in well-	d on the second distribution of the last design and	independent of the second
	30-	di kilindad dakatan persidik di		248:	3.5 Frequency (MHz)		يرجي في الاقتبار الأولي والمرابع	Money sayyayla (a.g.) adapinali	Acquisine approximation and the Latence to Special Section 20	
	30- 20- 10- 2470 Frequency	Results (dBuV/m)	Factor (dB)	Limit	Over	Detector	Table	Height	ANT	2500
	40	Results (dBuV/m) 88.85	Factor (dB)		Frequency (MHz)	a maran salama maranga mangala				2500 Verdic

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]	Produ	ıct:	Po	rtable Wire	less Speaker		Detector Vertical					
	Mod	de]	Keeping Tra	ansmitting		Test Vol	ltage		DC3.7V		
Te	mper	ature		24 de	g. C,		Humic	nidity 56% RH				
Т	est Re	esult:		Pas	ss							
	rt 15C Clas	ass B 1GHz-18GF	Hz -2									
	90-											
				M1								
	80-											
	70-											
	60-											
Œ	50-				M ₂ M ₂							
(dBuV/m)	40			W	M2	4						
level (dBuV/m)	40-	softensperiological medical be	مختلامة والمعادية وا	W	M2	dad was no beginned good of the stringer about superior special stringer about superior specia	والإنجارة والمرابعة	dicadaman dissipati jihab dasi	Ndel mount in with plant it does you broad	andrakan, hefer of state of the same of the	neige of the office that	
level (dBuV/m)	40	aphlangur likkgani makinda	nci in de de proposition de la constitución de la constitución de la constitución de la constitución de la cons	y V	M2	المقسر مورسة بين مايينا بأناث الماليومة من المنافقة ب	يجرن يماريك والمرابط	rija og degi mar og fogsjæret frifaste skrei	the day manusis to the state of	ومعمد شاعط والمراج المستوجع	arije od dis _s iko fi _r iko kun	
level (dBuV/m)	40-	to Henger it kgreen and inches	nestración isonacas en internetis de		M2	નિક-પ્યાપ્ત અન્ય અનુ અને કર્યાં તો કરવા કર્યાં કર્યાં કર્યાં અને કર્યાં કર્યા કર્યાં કર્યા કર્યાં કર્યા કરા કર્યા કરા કર્યા કર્યા કર્યા કરા કર્યા કર્યા કર્યા કર્યા કર્યા કરા કર્યા કર્યા કર્યા કરા કર્યા કર્યા કર્યા કર્યા કર્યા કરા કર્યા કર્યા કર્યા કરા કરા કરા કર્યા કરા કરા કરા કર્યા કરા કરા કરા કરા કરા કરા કરા કરા કરા કર	يادية والمرافعة والم	iğir iş destron aşlaşışdır. Filosofi şile iş riçi	ti dali masari waka kata da ini masari	and the second s	ndjechlige de Africa des	
level (dBuV/m)	40 - Miles	aglangs s <mark>idgen de de le</mark> n	أعربه فيهديه والمعادلة		M ₂	had we will have believed to the financial destroyed	Miller M. Leo adopte Australian	ike adaptan aylasif 49 jihasi kiri	hidd markindydd af frwysol au	والمجاولية والمراجعة	nijechla _n ituspiecus	
level (dBuV/m)	30- 20- 10-	oollowguvillegeviraaliseks	nci i naodni procuse i i izped jal		M2		ttill ett å en någsta den en inne	ilan katan ada paten pilan keni	hidd new had held held he was the held he	ng ganaring dan pagangan paga		
level (dBuV/m)	40- 30- 20- 10-	astlonguridhgaydindhaila	nesituad nimenya is injustifad		M2 2483.		Allen Landy Alexandra	njen katana gi salen ji ja un jeni	hid mentionly death from you and	ng nguyên kura yê pê girê di navê pê pê girê di navê	2500	
	30- 20- 10- 0.0- 2470	guency	Results	Factor			Detector	Table	Height	ANT	2500	
	30- 20- 10- 0.0- 2470	quency		Factor (dB)		Frequency (MHz)					2500	
(w/ngp) lavel	30- 20- 10- 0.0- 2470 Freq (MH:	quency	Results		Limit	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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Product:	Portable	Wireless	Speaker		T	est Mode:		Keep tran	smitting	
Mode	Keepi	ng Transn	nitting		Test Voltage		DC3.7V			
Temperature		24 deg. C,	deg. C,			Humidity		56% RH		
Test Result:		Pass				Detector		PK		
OdB Bandwidth	8	883.77kHz								
Ref Lvl 10 dBm	ndB	1 [T1 r 20. 3.767539	.00 dB	RE VE SW	ЗW	30 kl 100 kl 8.5 ms	Hz	F Att	20 dE	
0			1			▼1	[T1]	-(2.40188	.27 dE 277 GH	m z
-10				\mathcal{N}	1	BW $oldsymbol{ abla}_{\mathrm{T1}}$	88 [T1]	3.76753 -20		
-20		T1	/ ¹ V			VT 7 T2	[T1]	2.40158 -19 2.40247	.94 dB	m
1MAX - 30						V	<u> </u>	2.1021,		11
-40	, , ,						\ <u>\</u>			
-50							\ _\	Mu		
-60 Mm/M/									~a~M	Λ
-70										
-80										
-90 Center 2.40	2 CII.		300	1-11-/				Cons	ın 3 MH	<u> </u>

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GFSK							
Product:	Portable	Wireless Speaker	1	Test Mode:	Keep ti	ransmitting	
Mode	Keepin	g Transmitting	7	Test Voltage	DC3.7V		
Temperature	2	4 deg. C,		Humidity	56	% RH	
Test Result:		Pass		Detector		PK	
20dB Bandwidth	8	83.77kHz					
		1 [T1 ndB]	RBW			20 dB	
Ref Lvl	ndB	20.00 dB	VBW			d D.m.	
10 dBm	BW 88	3.76753507 kHz	SWT	8.5 ms	Unit	dBm	
				V 1 [5	r1] -	0.06 dBm	
0		1		ndB	2.4408	7675 GHz 0.00 dB	
		/~	\sim	BW	883.7675		
-10			1	▼ _{T1}	[T1] -1	9.57 dBm	
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		η _	2.4405		
-20		T1 ^		TPT2	[T1] -2		
1MAX					2.4414	7194 GHz 1MA	
-30					4		
-40							
-50	₩					handall	
-60						7***/	
-70							
-80							
-90 Center 2	.441 GHz	300	kHz/		Sp	an 3 MHz	
		43:20	•,		25		

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Product:		Portable '	Wireless S	peaker		Τ	est Mode:		Keep tra	ansmitting	
Mode			g Transmi				Test Voltage		DC3.7V		
Temperature			4 deg. C,			Humidity			56% RH		
Test Result:			Pass			_	Detector		PK		
OdB Bandwidth	865.73kHz										
()	Marker 1 [T1 ndB]					RBW	30 k	Hz Rl	F Att	20 dB	
Ref Lvl		ndB	20.	00 dB	7	/BW	100 k	Hz			
10 dBm		BW 865	5.731462	93 kHz	S	SWT	8.5 m	s Ui	nit	dBm	1
10							\mathbf{v}_1	[T1]	-0).13 dBm	A
				1					2.47988	277 GHz	
0				M	$^{\wedge}$ /)	ndE		20	0.00 dB	
1.0					\ \	4	BW ▼ _{T1}	86 . [T1]	5.73146 19-19	3293 kHz 3.95 dBm	
-10				M		Ž	\	<u></u>	2.47958		
			Ţ,^	/			V _{T2} V _{T2}	[T1]	-20	.49 dBm	
-20								\	2.48045	391 GHz	1M
-30			<u> </u>					7			
-40		\							~~		
-50	V								Ì	why	
-60											
-70											
-80											
-90 Center 2	. 48 GHz	z		300	kHz/	,			Spa	an 3 MHz	

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Л/4DQPSK								
Product:	Portable	Wireless Speaker		Test Mode	:	Keep tran	nsmitting	
Mode	Keepi	ng Transmitting		Test Voltag	e			
Temperature		24 deg. C,		Humidity		56% RH		
Test Result:		Pass		Detector		Pl	K	
20dB Bandwidth	-	1.226MHz					-	
(S)		1 [T1 ndB]	RI	BW 30		F Att	20 dB	
Ref Lvl	ndB	20.00 dB		BW 100				
10 dBm	BW 1	L.22645291 MHz	Si	WT 8.5	ms U	nit	dBm	
				V 1	[T1]	-0	0.29 dBm	A
0		1				2.40187		
			\wedge	nd BW		1.22645	0.00 dB 291 MHz	
-10			Ψ.	\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		-20	0.11 dBm	
-10				\sim		2.40141	383 GHz	
		<i>y</i>		∇7	2 _{[2} [T1]	-20	0.43 dBm	
-20						2.40264		1MA
-30								
-40 -50						mon	my	
-60							MAN	
-70								
-80								
-90 Center 2.	402 GHz	300	kHz/	I	1	L Spa	an 3 MHz	
	Center 2.402 GHz te: 4.AUG.2023 13:52:14							

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Product:	Portable V	Wireless S ₁	peaker		Test Mode:			Keep transmitting		
Mode	Keepin	g Transmit	tting		Te	est Voltage		DC3.7V		
Temperature	24	4 deg. C,]	Humidity		56%	6 RH	
Test Result:		Pass				Detector		I	PK	
0dB Bandwidth	1.257MHz									
Ŕ	Marker 1 [T1 ndB]				.BW	30 kF	Iz RI	7 Att	20 dB	
Ref Lvl	ndB	20.	00 dB	V	BW	100 kF				
10 dBm	BW 1	.256513	03 MHz	S	WT	8.5 ms	5 U1	nit	dBm	ı
10						v ₁	[T1]	- C	.21 dBm	A
			1					2.44087	675 GHz	A
0			$\overline{\Lambda}$	\wedge		ndB		20	.00 dB	
			$\left(\begin{array}{c} 1 \\ 1 \end{array} \right)$	W	\	BW V _T	5	1.25651	303 MHz	
-10		- \			_\\	- 33	[T1]	2.44041	.13 dBm 383 GHz	
	9	·/				$\triangledown_{\mathrm{T}2}$	TbT1]	-20	.41 dBm	
-20		7					7	2.44167	034 GHz	
-30										1M
-40								ling	١.٨.	
-50	•									
-60										
-70										
-80										
-90 Center 2.4	441 GU-		200	kHz/				G	n 3 MHz	

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Л/4DQPSK											
Product:	Po	rtable W	ireless S	peaker		T	est Mode:		Keep tra	ansmitting	
Mode	J	Keeping	Transmi	tting		Τe	est Voltage	•	DC	23.7V	
Temperature		24	deg. C,				Humidity		56%	% RH	
Test Result:	Pass					-	Detector]	PK	
20dB Bandwidth	1.251MHz										
						BW	30 k		F Att	20 dB	
Ref Lvl	nd			00 dB		BW	100 k			10	
10 dBm	BW	1.	250501	.00 MHz	S	WT	8.5 m	ıs Uı	nit	dBm	l 1
							v ₁	[T1]	-0	.14 dBm	A
0				1			37		2.47987	675 GHz	
				$\setminus \setminus$	\land		ndE BW		1.25050	.00 dB 100 MHz	
-10			لممم	V W	Vv	74	√\ _{\\\\} \\ _{\\\\}	[T1]	-19	.53 dBm	
				W			\sim	\	2.47941		
-20		77	~				$\nabla_{\mathrm{T}_2^2}$	TPT1]	-19		
1MAX								7	2.48066	433 GHz	1MA
-30											
-40		rV							W _u	· ~	
-50										W	
-60											
-70											
-80											
-90 Center 2	.48 GHz			300	kHz/				Spa	n 3 MHz	
Date: 4.	AUG.2023	13:4	8:00								

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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

Outside View



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Outside View



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Outside View



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Inside View



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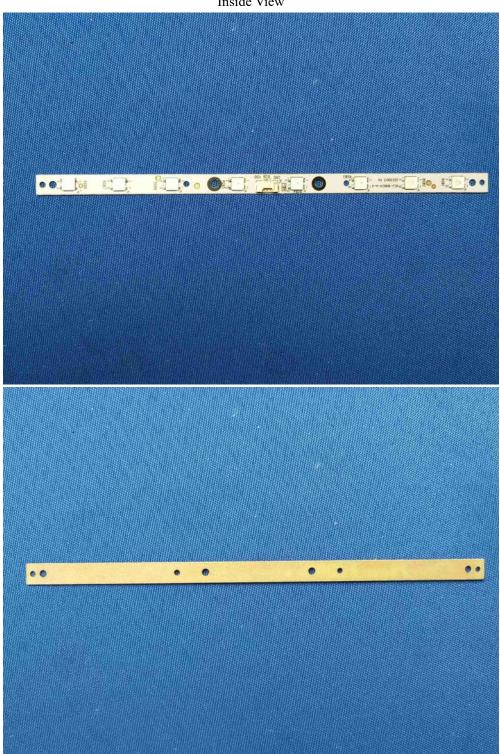
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Inside View



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Inside View





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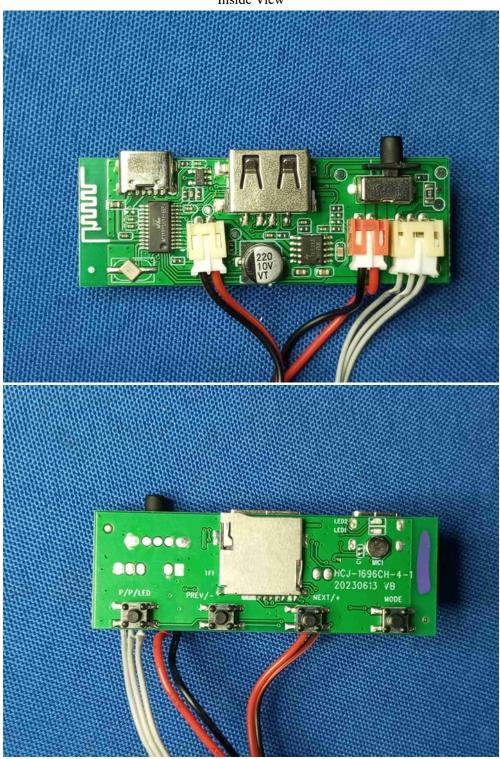
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Inside View



-- End of the report--

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