

Report No.: TW2412279-01E

Applicant: TECHNOFASHION INC.

Product: Bluetooth Speaker

Model No.: Urban SP600 (see the page 4 for additional models)

Trademark: N/A

Test Standards: FCC Part 15.249

It is herewith confirmed and found to comply with the Test result:

requirements set up by ANSI C63.10 & FCC Part 15 Subpart C,

15.249 regulations for the evaluation

electromagnetic compatibility

Approved By

Terry Tang

Manager

Dated: January 14, 2025

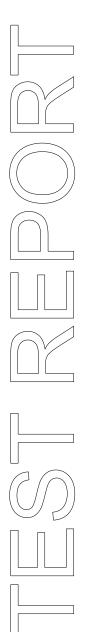
Results appearing herein relate only to the sample tested

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



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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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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

1.3 Description of EUT

Product: Bluetooth Speaker

Manufacturer: TECHNOFASHION INC.

Address: 127, Kingsland Ave, Clifton, NJ, USA, 07014

Trademark: N/A

Model Number: Urban SP600

Additional Model Name UCCSP09-01, UCCSP09-X01, UCCSP09-X02, UCCSP09-X03,

UCCSP09-X27, UCCSP09-25, UCCSP09-14, UCCSP09-20, UCCSP09-28, UCCSP09-21, Urban SP610, UCCSP10-01, UCCSP10-X01, UCCSP10-X02, UCCSP10-X03, UCCSP10-X27, UCCSP10-25, UCCSP10-14, UCCSP10-20,

UCCSP09-28, UCCSP09-21

Rating: Input: 5Vdc

Battery: DC3.7V, 1200mAh Li-ion battery

Serial No.: SP60020250215001B

Hardware Version:SP600-V2.0Software Version:SP600-V5.3Operation Frequency:2402-2480MHzModulation Type:GFSK, $\pi/4DQPSK$

Number of Channels: 79 Channel Separation: 1MHz

Antenna Designation PCB antenna with gain -0.58dBi maximum (Get from the antenna specification)

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1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2024-12-26 to 2025-01-14

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	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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3.0 Technical Details

3.1 Summary of test results

The EU	Γ has been	tested a	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

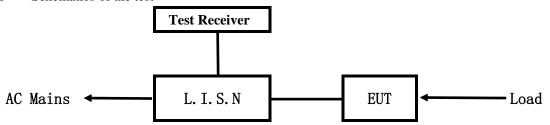
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

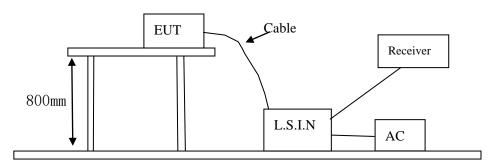


EUT: Equipment Under Test

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
Bluetooth Speaker	TECHNOFASHION INC.	Urban SP600 (see the page 4 for additional models)	2AZBO-N00037

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

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

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)

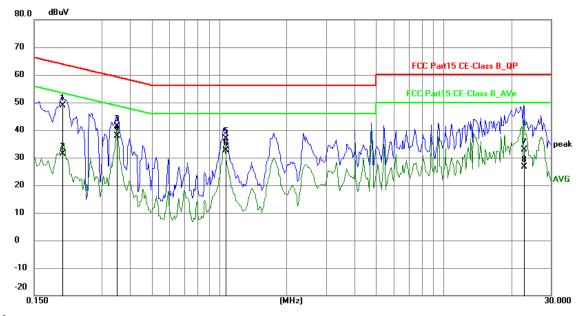
EUT Operating Environment

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

EUT set Condition: Charging and 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	0.2007	38.56	10.32	48.88	63.58	-14.70	QP	Р
2	0.2007	21.08	10.32	31.40	53.58	-22.18	AVG	Р
3	0.3489	31.03	10.36	41.39	58.99	-17.60	QP	Р
4	0.3489	27.54	10.36	37.90	48.99	-11.09	AVG	Р
5	1.0665	26.30	10.55	36.85	56.00	-19.15	QP	Р
6	1.0665	22.10	10.55	32.65	46.00	-13.35	AVG	Р
7	22.7574	17.01	15.84	32.85	60.00	-27.15	QP	Р
8	22.7574	10.80	15.84	26.64	50.00	-23.36	AVG	Р

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

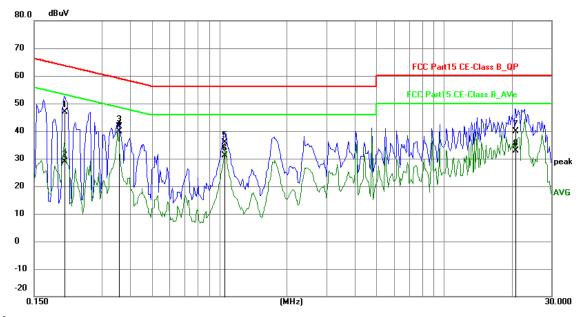
EUT Operating Environment

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

EUT set Condition: Charging and 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	0.2046	36.60	10.32	46.92	63.42	-16.50	QP	Р
2	0.2046	18.54	10.32	28.86	53.42	-24.56	AVG	Р
3	0.3567	31.20	10.36	41.56	58.80	-17.24	QP	Р
4	0.3567	29.49	10.36	39.85	48.80	-8.95	AVG	Р
5	1.0548	25.25	10.54	35.79	56.00	-20.21	QP	Р
6	1.0548	20.58	10.54	31.12	46.00	-14.88	AVG	Р
7	20.7996	23.53	16.26	39.79	60.00	-20.21	QP	Р
8	20.7996	16.73	16.26	32.99	50.00	-17.01	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:

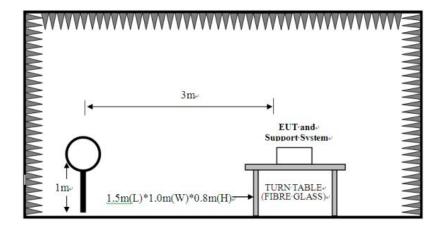
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

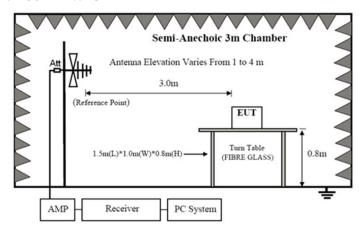


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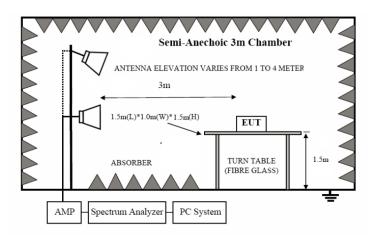
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For radiated emissions from 30MHz to1GHz



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	trength of Harmonics (3m)			
(MHz)	mV/m	dBuV/m	uV/m	dBuV/m

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2400 2402 7	~~	0.4.4.4	444 (75 4)		- 4 / 4	= 4 (D 1)
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)
2100 2103.5	50) i (riverage)	III (I can)	500	3 (Tiverage)	/ I (I call)

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	43.5
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, 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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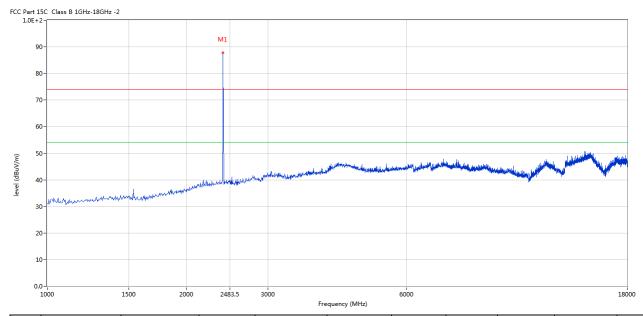


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



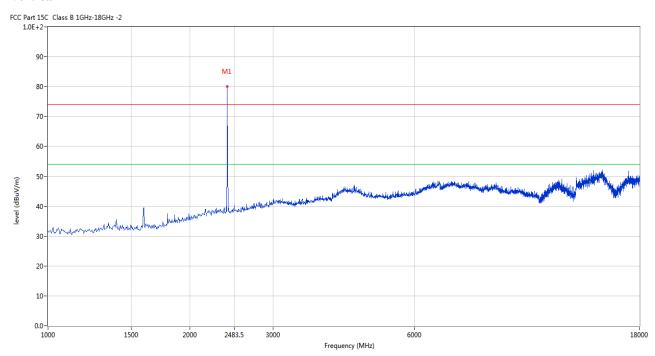
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	87.80	-3.57	114.0	-26.20	Peak	313.00	100	Horizontal	Pass

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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	2402	80.03	-3.57	114.0	-33.97	Peak	273.00	100	Vertical	Pass

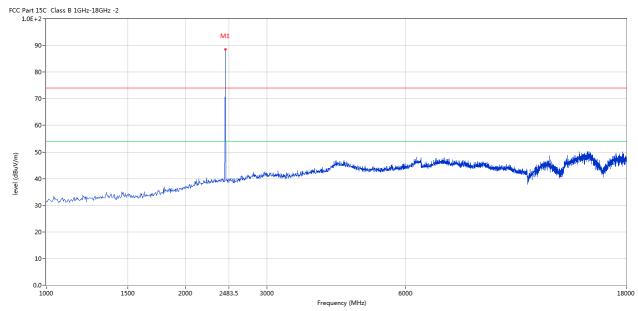
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



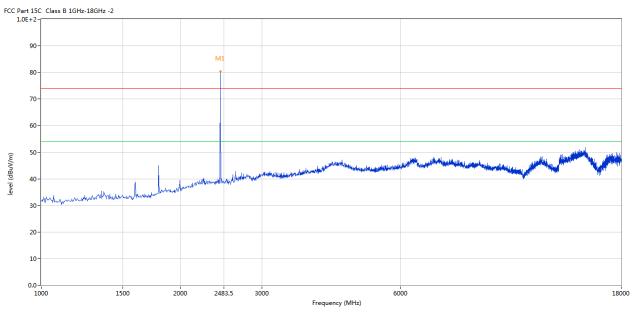
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	88.52	-3.57	114.0	-25.48	Peak	167.00	100	Horizontal	Pass

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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	80.33	-3.57	114.0	-33.67	Peak	45.00	100	Vertical	Pass

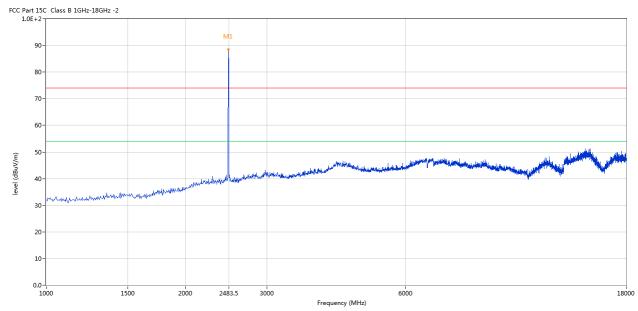
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



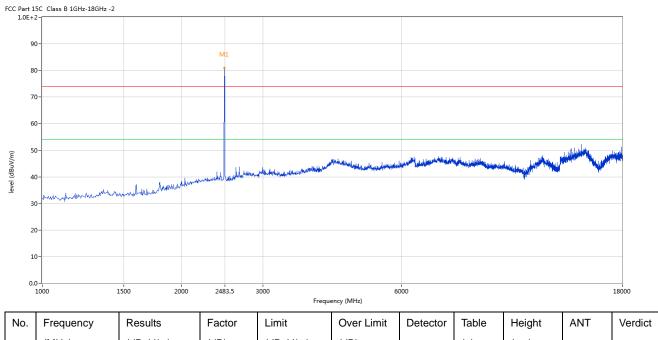
Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2480	88.54	-3.57	114.0	-25.46	Peak	162.00	100	Horizontal	Pass

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Vertical



No	0.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2480	80.95	-3.57	114.0	-33.05	Peak	60.00	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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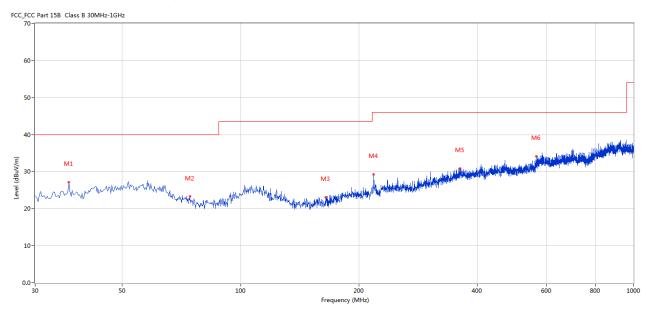


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	36.546	27.21	-6.91	40.0	12.79	Peak	126.00	100	Horizontal	Pass
2	74.366	23.27	-8.86	40.0	16.73	Peak	37.00	100	Horizontal	Pass
3	164.796	23.11	-9.68	43.5	20.39	Peak	295.00	100	Horizontal	Pass
4	218.375	29.23	-6.26	46.0	16.77	Peak	60.00	100	Horizontal	Pass
5	361.657	30.82	-1.86	46.0	15.18	Peak	182.00	100	Horizontal	Pass
6	565.064	34.11	0.42	46.0	11.89	Peak	333.00	100	Horizontal	Pass

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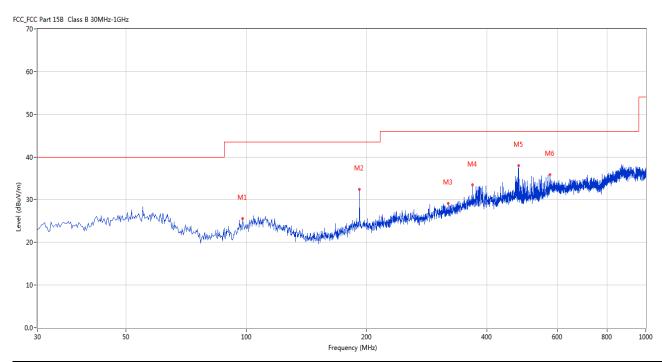


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	97.883	25.60	-7.37	43.5	17.90	Peak	260.00	100	Vertical	Pass
2	191.950	32.49	-7.38	43.5	11.01	Peak	180.00	100	Vertical	Pass
3	319.715	29.18	-3.91	46.0	16.82	Peak	245.00	100	Vertical	Pass
4	367.961	33.43	-1.71	46.0	12.57	Peak	61.00	100	Vertical	Pass
5	479.968	38.03	-0.95	46.0	7.97	Peak	280.00	100	Vertical	Pass
6	575.974	35.82	1.27	46.0	10.18	Peak	20.00	100	Vertical	Pass

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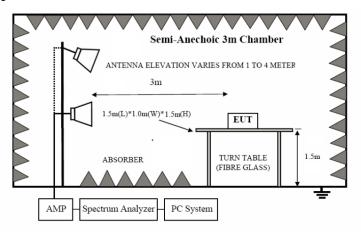


7. Band Edge

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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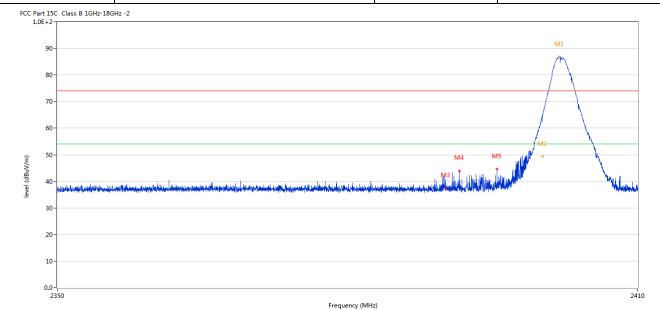
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7.6 Test Result

Product:	Bluetooth 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)		(o)	(cm)		
1	2401.827	86.85	-3.57	74.0	12.85	Peak	165.00	100	Horizontal	N/A
2	2400.057	64.33	-3.57	74.0	-9.67	Peak	170.00	100	Horizontal	Pass
2**	2400.057	49.31	-3.57	54.0	-4.69	AV	170.00	100	Horizontal	Pass
3	2390.010	37.45	-3.53	74.0	-36.55	Peak	360.00	100	Horizontal	Pass
4	2391.435	43.90	-3.54	74.0	-30.10	Peak	165.00	100	Horizontal	Pass
5	2395.319	44.61	-3.55	74.0	-29.39	Peak	149.00	100	Horizontal	Pass

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]	Product:		Bluetooth	Speaker		Detect	tor		Vertical	
	Mode	I	Keeping Tr	ansmitting		Test Vol	tage		DC3.7V	
Te	mperature		24 de	g. C,		Humid	lity		56% RH	
Te	est Result:		Pas	SS						
	t 15C Class B 1GHz-18GF	l z -2					l.			
1.08	E+2-									
	90-								M1	
	80-								M1	
	70-									
	60-					M	, M5			
Ē	50-					ı †		M2	$\overline{}$	
						1.	Lalli alli da la a		T _k	
level (dBuV,	30-	يعلى بعلى المعامل المع	oracid de la	international and the second	ما بالمواليد و المواليد				W	A Antique in parts
level (dBuV,		يعلدها أميان المستماعة والمستمالة والمستمالة والمستمالة والمستمالة والمستمالة والمستمالة والمستمالة والمستمالة	and had received an extend of	deligative principle and the first of the second	abia pilipen dinakka (kerakakka	ilmekarit <mark>M</mark>			W	
	20-	eta da Africa (eta da Adria da Arriga).	بداوننده واستفداه الربيد	irinak merasikan eriki kasiki mend	Frequency (MHz)	Handharti ()			W	241
	20-	Results	Factor	Limit		Detector	Table	Height	ANT	ı
	30 - 20 - 10 - 0.0 - 2350				Frequency (MHz)		Table (o)	Height (cm)	ANT	ı
No.	30- 20- 10- 0.0- 2350 Frequency	Results	Factor	Limit	Frequency (MHz) Over Limit			_	ANT Vertical	ı
No.	20- 10- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	(o)	(cm)		Verdi N/A
No.	20- 10- 2350 Frequency (MHz) 2402.007	Results (dBuV/m) 79.74	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 5.74	Detector Peak	(o) 107.00	(cm)	Vertical	Verdi N/A Pass
No.	30- 20- 10- 0.0- 2350 Frequency (MHz) 2402.007 2400.012	Results (dBuV/m) 79.74 56.43	Factor (dB) -3.57	Limit (dBuV/m) 74.0 74.0	Frequency (MHz) Over Limit (dB) 5.74 -17.57	Detector Peak Peak	(o) 107.00 107.00	(cm) 100 100	Vertical Vertical	Verdi N/A Pass Pass
(W/\ngp) sve No.	20- 10- 2350 Frequency (MHz) 2402.007 2400.012 2400.012	Results (dBuV/m) 79.74 56.43 41.31	Factor (dB) -3.57 -3.57	Limit (dBuV/m) 74.0 74.0 54.0	Frequency (MHz) Over Limit (dB) 5.74 -17.57 -12.69	Detector Peak Peak AV	(o) 107.00 107.00 107.00	(cm) 100 100	Vertical Vertical Vertical	Verdi N/A Pass Pass Pass Pass

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ŀ	Product:		Bluetoo	th Speaker		P	olarity		Horizont	al
	Mode		Keeping '	Transmitting		Tes	t Voltage		DC3.7V	7
Teı	mperature		24 0	deg. C,		Hı	ımidity		56% RF	I
Te	st Result:		I	Pass						
Part 15	5C Class B 1GHz-18GHz 2-	-2								
			M1							
90)-		<u></u> ✓	7						
80)-			1						
70)-									
60										
00	,	. 111116	<i>y</i>	M2						
50				*	· ·					
40)-				The water the street of	والمراجع والمتعاول والمتعاود	erilen a laker Halerianian (r. e.	والمراجع المراجع	ويراق أرابا والمتاريخ والمتاريخ والمتاريخ	
					and the last of the	to beating adjace and other attraction	terror but at a state to a state of	annania hir anticas, harridati a		Market Market
30										Juliana
30)-									
30)-									
)-									
10)-									
10)-			2483.	S Frequency (MHz)					
20 10 0.0)-	Results	Factor	2483.		Detector	Table	Height	ANT	2500
20 10 0.0)-)- 2- 22470		Factor (dB)	Т	Frequency (MHz)	Detector	Table (o)	Height (cm)	ANT	2500
10	Frequency	Results		Limit	Over	Detector Peak		_	ANT Horizontal	2500 Verd

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]	Product:		Bluetooth	Speaker		Detect	or		Vertical	
	Mode	F	Keeping Tra	ansmitting		Test Vol	tage		DC3.7V	
Te	emperature		24 de	g. C,		Humid	ity		56% RH	
Te	est Result:		Pas	SS						
	ort 15C Class B 1GHz-18G DE+2-	Hz -2						•		
	90-									
	80-		M1	MM						
	70-			1						
	60-									
			-	4						
level (dbuv/m)	50-	takan da katan da pida da ba	W.	M2	Note that the state of the stat		الوزوها والمالية	nen steller had be	nemetrical disables and states	allers on the state of the stat
level (dBuV/m)	50-	takus kidaterken liberak	y d	M2	Notes with the second s	المستوا والمتعادة والمتعاد	delinerad	nen skilledisk j	econtratives final track nation	and the second
level (dBuV/m)	50- 40- 30-	te abase di abase dan di dalah di da		M2	~dow-date-full-back-functional fields	hangid gada dhe antion pein	did de la constati	yezan sahilbatakin d	need in the state of the state	aller sales sales
level (dBuV/m)	30- 20-	de a baser de		M2			dagi dali kayanadi		ned to his time.	2500
	50- 40- 30- 20- 10-	Results	Factor		5	Detector	Table	Height	ANT	2500
	30- 20- 10- 2470			1	5 Frequency (MHz)					2500
(m/\ngp) level	30- 20- 10- 2470	Results	Factor	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. 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

Temperature 24 deg. C, Humidity 56% F Test Result: Pass Detector PK 0dB Bandwidth 828kHz	Speaker Test Mode: Keep tran	smitting	
Test Result: Pass Detector PK 20dB Bandwidth 828kHz *RBW 30 kHz *VBW 100 kHz -3.55 dBm *VBW 100 kHz -3.55 dBm *Att 20 dB SWT 5 ms 2.401838000 GHz Temp 1 [T1 nds] -22.54 dBm 2.401604000 GHz -20 -30 -30 -40 -40 Detector PK PK *RBW 30 kHz *VBW 100 kHz -3.55 dBm 2.401838000 GHz -3.55 dBm 2.401838000 GHz -3.55 dBm 2.401838000 GHz	nnsmitting Test Voltage DC3.	DC3.7V	
20dB Bandwidth 828kHz	g. C, Humidity 56%	RH	
*RBW 30 kHz Marker 1 [T1] *VBW 100 kHz -3.55 dBm Ref 10 dBm *Att 20 dB SWT 5 ms 2.401838000 GHz 10	S Detector PK	ζ	
*VBW 100 kHz	Hz		
BW 828.0000000000 kHz Temp 1 [T1 nd8] -22.54 dBm 2.401604000 GHz Temp 2 [T1 nd8] -23.34 dBm 2.402432000 GHz	*VBW 100 kHz -3.55 dB		
-10 Temp 2 [T1 nd3] -23 .34 dBm 2 .402432000 GHz	BW 828.000000000 kH	Hz A	
-30 -40	Temp 2 [T1 ndb] -23.34 dB	3m	
-40	2.402432000 GH	12	
	W T		
1-50 W 4		3DB	
Market Company of the	Make a	₩	
70			
-80		\dashv	
-90			

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Date: 11.JAN.2025 16:16:05

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Span 3 MHz

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GFSK									
Product:	Blueto	ooth Speaker		Test	Mode:		Keep tran	nsmitting	
Mode	Keeping	g Transmitting		Test '	Voltage	DC3.7V		3.7V	
Temperature	24	4 deg. C,		Hun	nidity		56% RH		
Test Result:		Pass		Det	ector		P	K	
20dB Bandwidth	8					-	-		
<u> </u>			*RBW 30	kHz	Delta	1 [T1]			
4 5/			*VBW 10	0 kHz		-0	.64 dB		
Ref 10 d	Bm *At	t 20 dB	SWT 5	ms	870	.000000	000 kHz		
10					Marker	_			
							.59 dBm	70	
-0		2			2 Marker		000 GHz		
1 RM *		M	$\Lambda \Lambda$		marker		.46 dBm		
-10			7	1	2	. 440038	900 GHz		
20D1	-23.46 dBm	X F		N,					
30		J		1					
10				V.	Ser.				
40	M/					m		3DB	
F-50	M V				W	J.		•	

Date: 11.JAN.2025 16:20:00

Center 2.441 GHz

300 kHz/

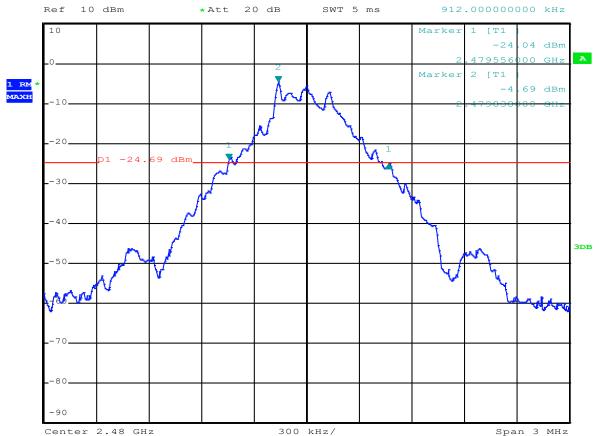
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Date: 2025-01-14



GFSK			
Product:	Bluetooth Speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	912kHz		
%	*RBW 30 *VBW 10		1 [T1] -1.02 dB
Ref 10 dE	sm *Att 20 dB SWT 5	ms 912	.000000000 kHz



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Product:	Blue	tooth Speaker		Test Mo	de:	Ke	ep transmit	ting
Mode	Keepii	ng Transmitting		Test Volt	age	DC3.7V		
Temperature	2	24 deg. C,		Humidi	ty		56% RH	
Test Result:		Pass		Detecto	or		PK	
0dB Bandwidth	1	.224MHz						
Ref 10 dE	.m * A	att 20 dB	*RBW 30 *VBW 10 SWT 5	00 kHz ms		.4018380	.99 dBm 000 GHz	
_0					BW 1 Cemp 1	.2240000 [T1 nd]	000 MHz	A
RM *					2	-23 .401376	.89 dBm	
10		MAN	my	My	Pemp 2		.98 dBm	
20	7			12	2	.4026000	JOU GHZ	
30					 			
40_								
nt.	~ M					7	31	DB
-50 ~						~ \	May M	
60							<u> </u>	
70								
80								
-90								
Center 2.4	00 00	200	kHz/			Q	n 3 MHz	

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

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Product:	B	luetooth Spea	aker		Test	Mode:		Keep tran	smitting
Mode	Kee	ping Transm	itting		Test V	Voltage	DC3.7V		7V
Temperature		24 deg. C,			Hun	nidity		56%	RH
Test Result:		Pass			Det	ector		PK	
0dB Bandwidth		1.224MHz							
Ref 10 d	Bm	*Att 20 d	,	*RBW 30 *VBW 10 SWT 5	0 kHz	2	.4408380	.73 dBm	
_0			1			ndB [T BW 1 Temp 1	.2240000 [T1 nd]	.00 dB 000 MHz 8]	A
**************************************			M	m m	1m -	2 Temp 2	.4403760 [Tl nd l		
20	<u> </u>	A A			-W	2	.4416000		
30									
-40	m					- two	, AA		3DB
-60	₩ ∀						\/\tag{\tag{\tag{\tag{\tag{\tag{\tag{	and the same of th	
70									
80									
-90									
Center 2.	441 GHz		300 k	Hz/	•		Spa	n 3 MHz	

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Product:	Bluetooth Speake		Test Mode:	Keep transi	mitting
Mode	Keeping Transmitti	ng	Test Voltage	DC3.7	'V
Temperature	24 deg. C,		Humidity	56% R	H
Test Result:	Pass		Detector	PK	
OdB Bandwidth	1.224MHz				
Ref 10 dF	Bm *Att 20 dB	*RBW 30 *VBW 100 SWT 5 r	O kHz	-4.81 dBm -4.83 dBm 2.479838000 GHz	
_0*		A	Temp 1	L.2240000000 MHz L [T1 ndB] -24.95 dBm 2.479376000 GHz	A
20	The same of the	V MM	hy 2	-25.04 dBm 2.480600000 GHz	
-30					
-50 A MA	M		m	**************************************	DB
-60 <u>-</u> 60	4			The same	
70 80					
-90	48 GHz 30	00 kHz/		Span 3 MHz	

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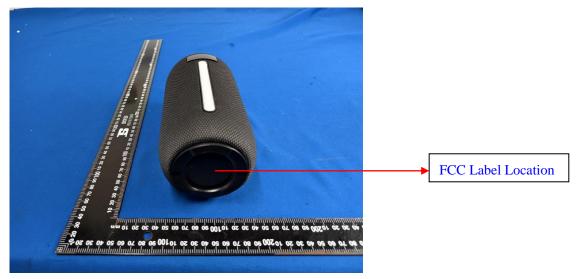


10.0 FCC ID Label

FCC ID: 2AZBO-N00037

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:



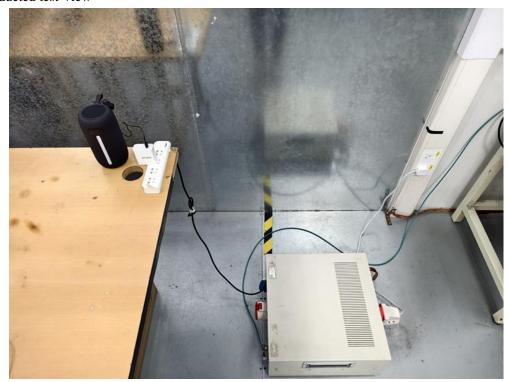
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11.0 Photo of testing

11.1 Conducted test View



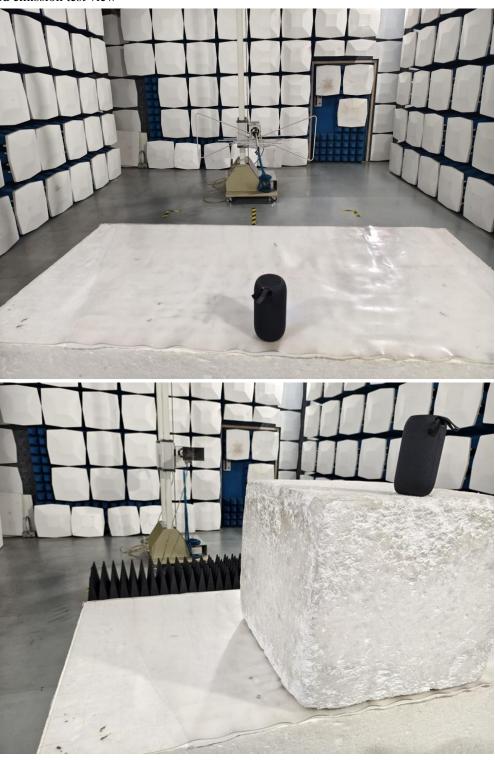
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Radiated emission test view



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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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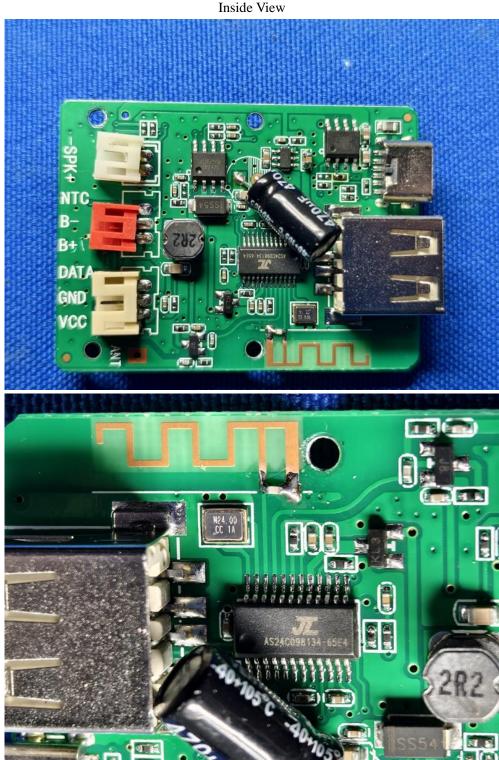
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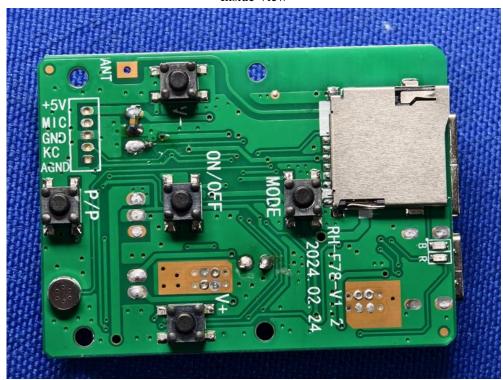
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Inside View





-- End of the report--

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