

Report No.: TWN2501640-01E

Applicant: Shenzhen Glory Star Technology Industrial Co., Ltd

Product: wireless speaker

Model No.: P10, Y-SKR21, P60, P61, P90, P96, P300, P301, K13, K14,

K15, K169-21

Trademark: Glory Star

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 Tang

Manager

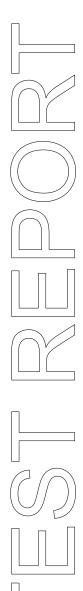
Dated: February 06, 2025

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

11.0

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Photo of Test Setup and EUT View....

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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: Shenzhen Glory Star Technology Industrial Co., Ltd

Address: Room2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District, Shenzhen, China

1.3 Description of EUT

Product: wireless speaker

Manufacturer: Shenzhen Glory Star Technology Industrial Co., Ltd

Address: Room2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District,

Shenzhen, China

Trademark: Glory Star

Model Number: P10

Additional Model Name Y-SKR21, P60, P61, P90, P96, P300, P301, K13, K14, K15, K169-21

Rating: Input: DC5V

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

Serial No.: Y-SKR210001

Hardware Version: V2.0 Software Version: V6.0

Operation Frequency: 2402-2480MHz Modulation Type: GFSK, $\sqrt{1/4}$ DQPSK

Number of Channels: 79 Channel Separation: 1MHz

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

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

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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 EUT has been	ı tested accordin	g to the following	specifications:
		A	, 50000

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

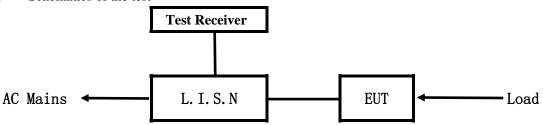
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

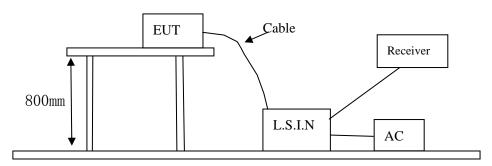


EUT: Equipment Under Test

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
wireless speaker	Shenzhen Glory Star Technology Industrial Co., Ltd	P10 (see the page 4 for additional models)	2AS7V-Y-SKR21

B. Internal Device

Device Manufacturer	Model	FCC ID/DOC
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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)

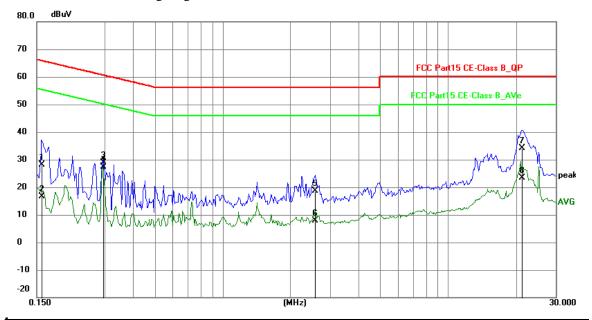
EUT Operating Environment

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	0.1578	17.86	10.34	28.20	65.58	-37.38	QP	Р
2	0.1578	6.31	10.34	16.65	55.58	-38.93	AVG	Р
3	0.2943	18.50	10.35	28.85	60.40	-31.55	QP	Р
4	0.2943	17.06	10.35	27.41	50.40	-22.99	AVG	Р
5	2.5758	7.06	11.52	18.58	56.00	-37.42	QP	Р
6	2.5758	-3.62	11.52	7.90	46.00	-38.10	AVG	Р
7	21.2130	18.08	16.17	34.25	60.00	-25.75	QP	Р
8	21.2130	7.09	16.17	23.26	50.00	-26.74	AVG	Р

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

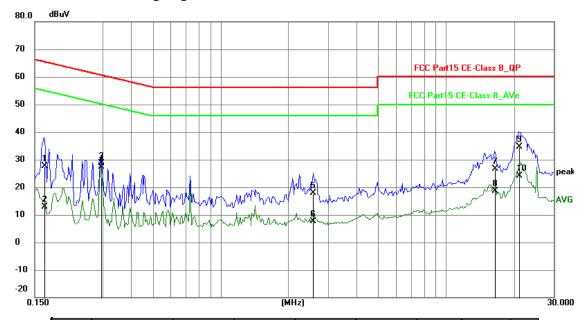
EUT Operating Environment

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	0.1655	17.30	10.33	27.63	65.18	-37.55	QP	Р
2	0.1655	2.52	10.33	12.85	55.18	-42.33	AVG	Р
3	0.2943	18.36	10.35	28.71	60.40	-31.69	QP	Р
4	0.2943	16.96	10.35	27.31	50.40	-23.09	AVG	Р
5	2.5719	6.45	11.52	17.97	56.00	-38.03	QP	Р
6	2.5719	-3.80	11.52	7.72	46.00	-38.28	AVG	Р
7	16.4510	11.20	15.51	26.71	60.00	-33.29	QP	Р
8	16.4510	3.17	15.51	18.68	50.00	-31.32	AVG	Р
9	21.0570	18.51	16.21	34.72	60.00	-25.28	QP	Р
10	21.0570	7.87	16.21	24.08	50.00	-25.92	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:

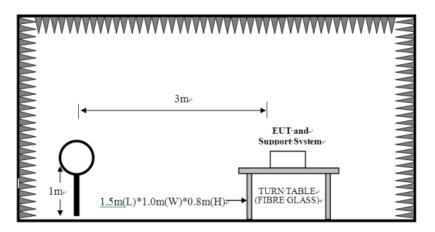
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

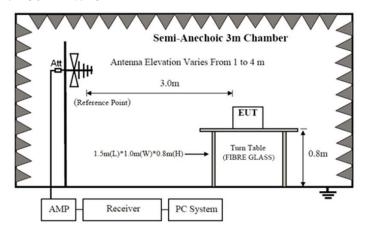


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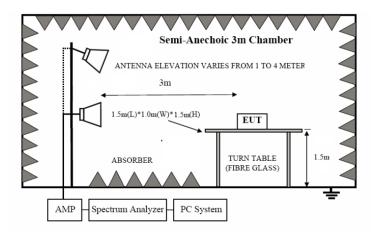
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For radiated emissions from 30MHz to1GHz



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 Strength of Fundamental (3m)				trength 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)
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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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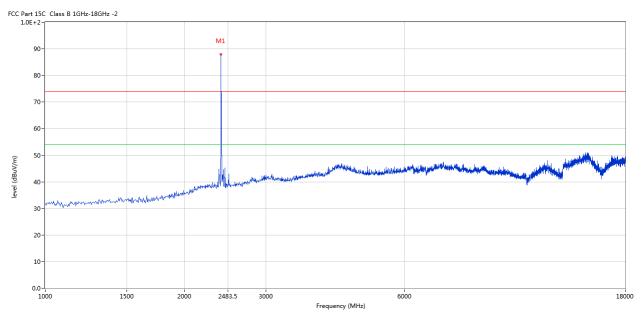


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



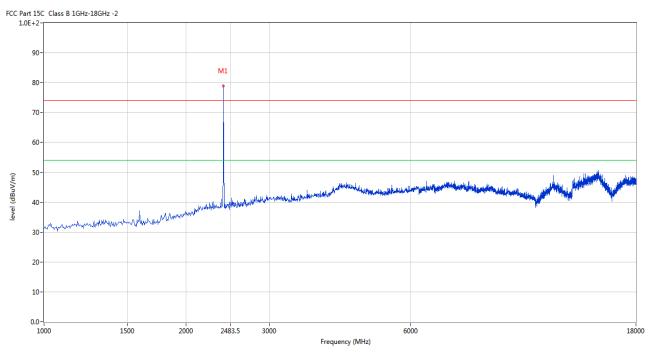
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	87.99	-3.57	114.0	-26.01	Peak	189.00	100	Horizontal	Pass

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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	78.95	-3.57	114.0	-35.05	Peak	147.00	100	Vertical	Pass

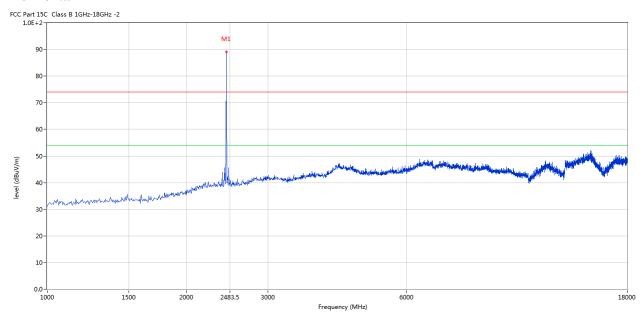
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



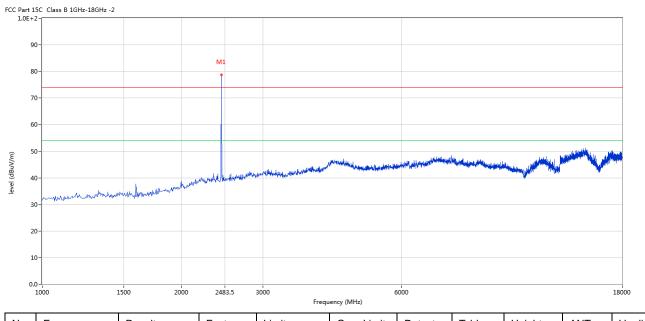
Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	1	2441	88.99	-3.57	114.0	-25.01	Peak	233.00	100	Horizontal	Pass

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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	78.70	-3.57	114.0	-35.30	Peak	145.00	100	Vertical	Pass

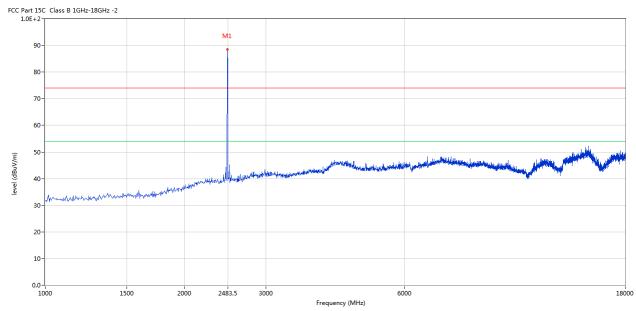
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	88.57	-3.57	114.0	-25.43	Peak	239.00	100	Horizontal	Pass

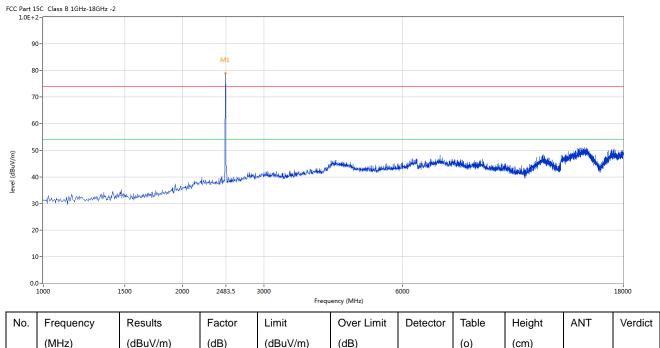
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Vertical



1 2480 78.97 -3.57 114.0 -35.03 Peak 322.00 100 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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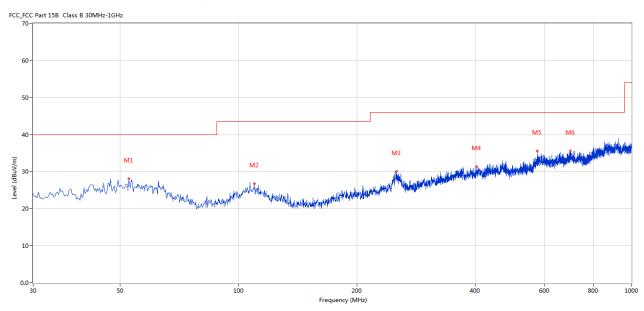


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	52.547	28.14	-4.94	40.0	11.86	Peak	284.00	100	Horizontal	Pass
2	109.763	26.80	-5.96	43.5	16.70	Peak	50.00	100	Horizontal	Pass
3	252.074	30.10	-5.25	46.0	15.90	Peak	156.00	100	Horizontal	Pass
4	403.599	31.35	-1.46	46.0	14.65	Peak	324.00	100	Horizontal	Pass
5	575.489	35.55	1.27	46.0	10.45	Peak	2.00	100	Horizontal	Pass
6	699.860	35.61	2.51	46.0	10.39	Peak	242.00	100	Horizontal	Pass

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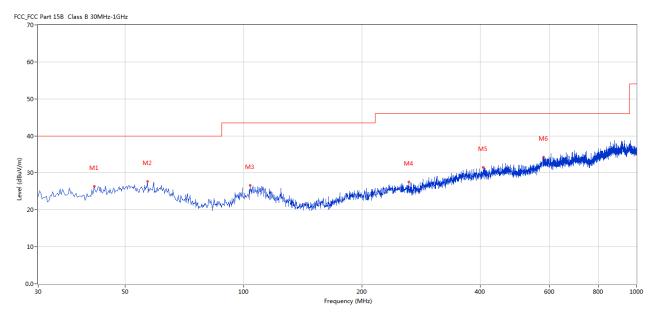


Radiated Emission In Vertical (30MHz----1000MHz)

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	41.637	26.38	-5.75	40.0	13.62	Peak	286.00	100	Vertical	Pass
2	56.911	27.71	-4.97	40.0	12.29	Peak	277.00	100	Vertical	Pass
3	103.944	26.61	-6.49	43.5	16.89	Peak	289.00	100	Vertical	Pass
4	263.227	27.51	-5.15	46.0	18.49	Peak	281.00	100	Vertical	Pass
5	407.236	31.53	-1.31	46.0	14.47	Peak	360.00	100	Vertical	Pass
6	580.822	34.31	1.66	46.0	11.69	Peak	111.00	100	Vertical	Pass

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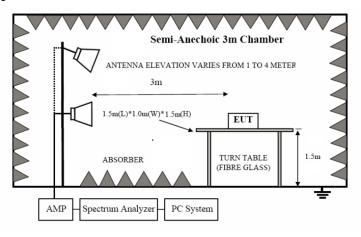


7. Band Edge

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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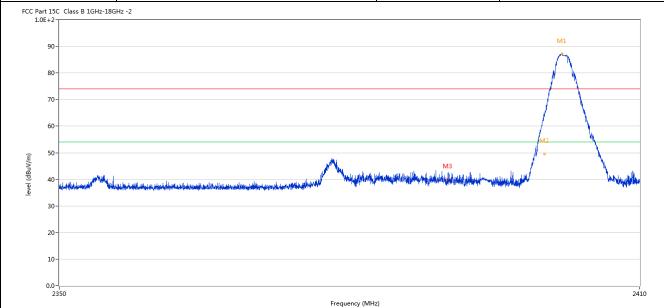
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7.6 Test Result

Product:	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)		(o)	(cm)		
1	2401.887	87.10	-3.57	74.0	13.10	Peak	219.00	100	Horizontal	N/A
2	2400.057	64.57	-3.57	74.0	-9.43	Peak	215.00	100	Horizontal	Pass
2**	2400.057	49.51	-3.57	54.0	-4.49	AV	215.00	100	Horizontal	Pass
3	2390.010	39.87	-3.53	74.0	-34.13	Peak	229.00	100	Horizontal	Pass

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Product:			wireless speaker			Detect	tor		Vertical	
Mode K			Keeping Transmitting		Test Voltage]	DC3.7V		
Te	Temperature 24 deg. C,				Humidity			56% RH		
Te	est Result:		Pas	ss						
	t 15C Class B 1GHz-18GF E+2-r	lz -2					•			
	90-									
	50								M1	
	80-							Λ	<u> </u>	
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	30 - 10 - 0.	Results	Factor	Limit	Frequency (MHz) Over Limit	Detector	Table	Height	ANT	241
	20 - 10 - 0.0 - 2350				1	Detector	Table (o)	Height (cm)		241
No.	30 - 20 - 10 - 2350 Frequency	Results	Factor	Limit	Over Limit	Detector				241
No.	20- 10- 0.0- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)		(o)	(cm)	ANT	Verdi
No.	20- 10- 2350 Frequency (MHz) 2402.397	Results (dBuV/m) 78.01	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Over Limit (dB) 4.01	Peak	(o) 140.00	(cm)	ANT Vertical	Verdi N/A Pass
(w/\ngp) ana No.	20- 10- 2350 Frequency (MHz) 2402.397 2400.042	Results (dBuV/m) 78.01 55.37	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Over Limit (dB) 4.01 -18.63	Peak Peak	(o) 140.00 135.00	(cm) 100 100	ANT Vertical Vertical	241 Verdi

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Mode Keeping Transmitting Test Voltage DC3. Temperature 24 deg. C, Humidity 56% I Test Result: Pass C Part 15C Class B 1GHz-18GHz-2 106+2 90- 40- 40- 40- 10- M2 10- M2 10- M2 10- M2 10- M3 Test Voltage DC3. Humidity 56% I Humidity	
Test Result: Part 15C Class B 1GHz-18GHz -2 10E+2- 90- 80- 70- 60- 40- 10HHH, hand the first test that the first test test test test test test test t	Н
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90- 80- 70- 60- 40- 40- 30- 20-	
80- 70- 60- 40- 10- 10- 10- 10- 10- 10- 10- 10- 10- 1	
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40-14-14-14-14-14-14-14-14-14-14-14-14-14-	
40-14-14-14-14-14-14-14-14-14-14-14-14-14-	
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0.0- 2470 2483.5	
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	_
(MHz) (dBuV/m) (dB) (dBuV/m) Limit (dB) (o) (cm)	_
2480.070 88.33 -3.57 74.0 14.33 Peak 212.00 100 Horizontal 2483.500 53.97 -3.57 74.0 -20.03 Peak 217.00 100 Horizontal 2480.070 Peak 217.00 Peak 217.0	2500 Verdi

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Product:			wireless	speaker		Detec	tor		Vertical	
Mode Keeping Transmitting Temperature 24 deg. C,			ansmitting	Test Voltage		DC3.7V				
			g. C,		Humidity		56% RH			
Test Result: Pass				SS						
	rt 15C Class B 1GHz-18G DE+2-	Hz -2						•		
	90-									
			M1							
	80-		A Comment	-Andrews						
	70-									
				Mr.						
	60-			1						
(u	50-		-/-	M ₂						
dBuV/m)	50-		f	M2	%					
level (dBuV/m)		العينان والصافية ووروسادل والأنطاق		M2	Magazariahitzakhazidi pahapajal	political continue	de transporting to a second	فوافل أفرس المعطعه ورباديات	duntakhnudurakida	بنيساماي
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level (dBuV/m)	50-	العمادوة المستفادة ودرومه المتناط فأواه		M2	مم المراجعة	pudahasinkeedi unksed	de en	ndeskogneknyk iksiksk	dunisekilinisi, jurgisida	, of the latest the la
level (dBuV/m)	50- 40- 30- 20-	العربان معافدة والمعاددة و		M2	Make en ancishirin a daya yake a bada a kala	perdetant berken de service de	diradhadiigh, en ku	ing den de Legendar de Leg	المستوارة والمستوارة و	Market in the second
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level (dBuV/m)	30- 20- 0.0-	Results	Factor	2483.	5	Detector	Table	Height	daysahliya. Jundish	1
	30- 20- 10- 2470		Factor (dB)		5 Frequency (MHz)					1
	50- 40- 30- 20- 10- 0.0- 2470	Results		Limit	5 Frequency (MHz)		Table	Height		verdie N/A

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

Product:	wireless speaker			Test M	Iode:	Ke	eep transm	itting	
Mode	Keeping Transmitting			Test Voltage			DC3.7V	I	
Temperature				Humi	idity		56% RI	I	
Test Result:		Pass			Dete	ctor		PK	
20dB Bandwidth		924kHz	Z						
Ref 10 d	Bm	*Att 20) dB	*RBW 30 *VBW 10 SWT 5	00 kHz		1 [T1] 0	.41 dB 000 kHz	
0			2	Λ -		Marker	-19 .401532] .94 dBm <u>900 GHz</u>	
MAXH10			N		^	Marker 2		.39 dBm	
20 D1	-20. 39 dBm -	1			√ ₁				
30	<u></u>				V				
-40	- Mary					1	my		3DB
-50								mul	
70									
80									
-90									
Center 2.	402 GHz		300	kHz/			Spa	an 3 MHz	

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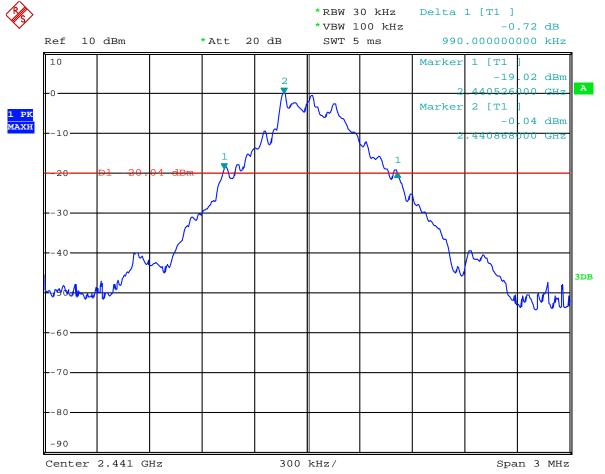
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GFSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	990kHz		
^			



Date: 21.JAN.2025 13:49:17

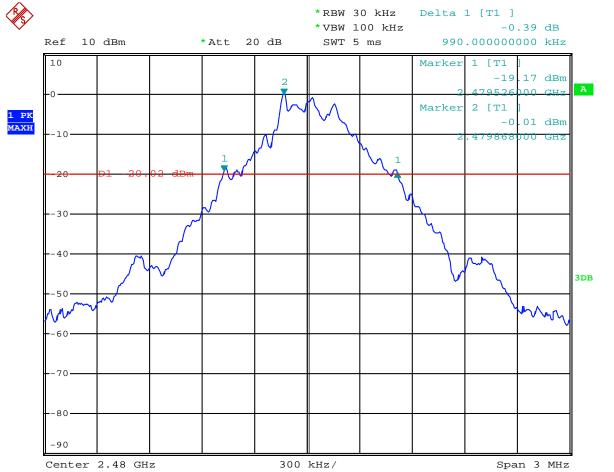
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GFSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	990kHz		



Date: 21.JAN.2025 13:52:37

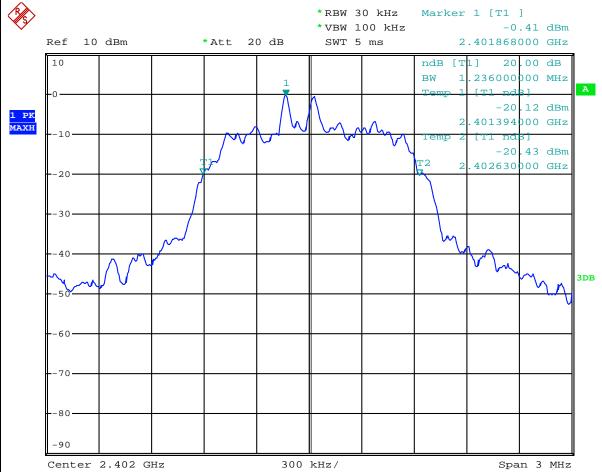
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Л/4DQPSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.236MHz		
\wedge			



Date: 21.JAN.2025 14:02:45

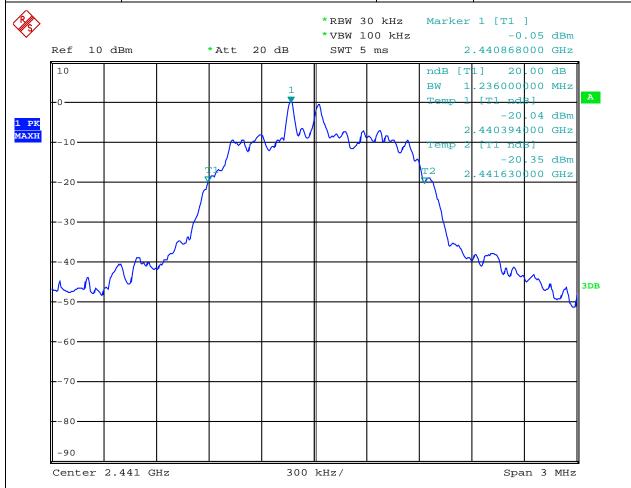
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Л/4DQPSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.236MHz		



Date: 21.JAN.2025 13:57:57

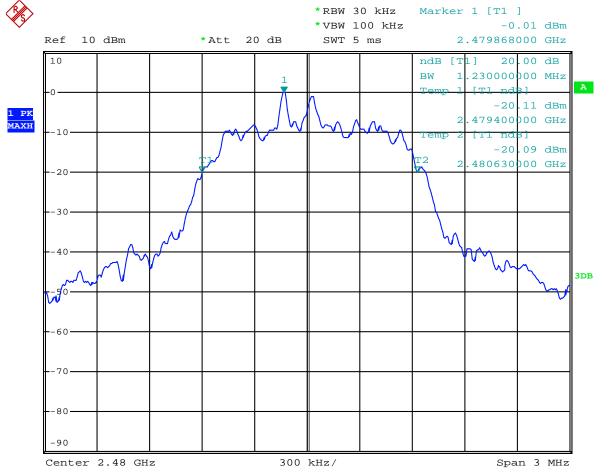
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Л/4DQPSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.230MHz		
\wedge		· · · · · · · · · · · · · · · · · · ·	



Date: 21.JAN.2025 13:53:08

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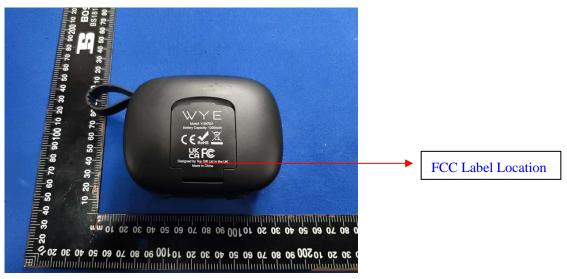


10.0 FCC ID Label

FCC ID: 2AS7V-Y-SKR21

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



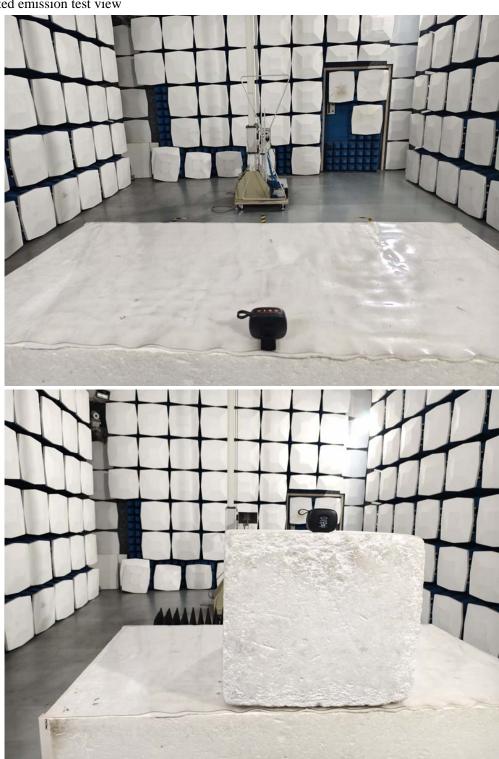
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Radiated emission test view



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11.2 Photographs – EUT

Outside View





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Outside View



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Inside View





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

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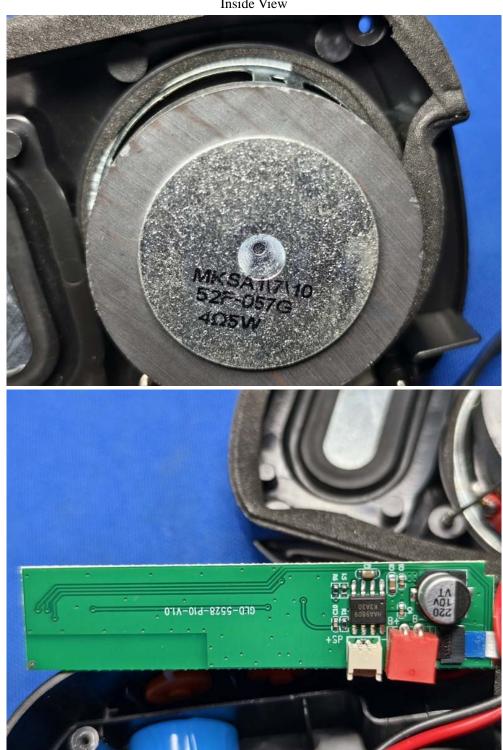
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Date: 2025-02-06



Inside View



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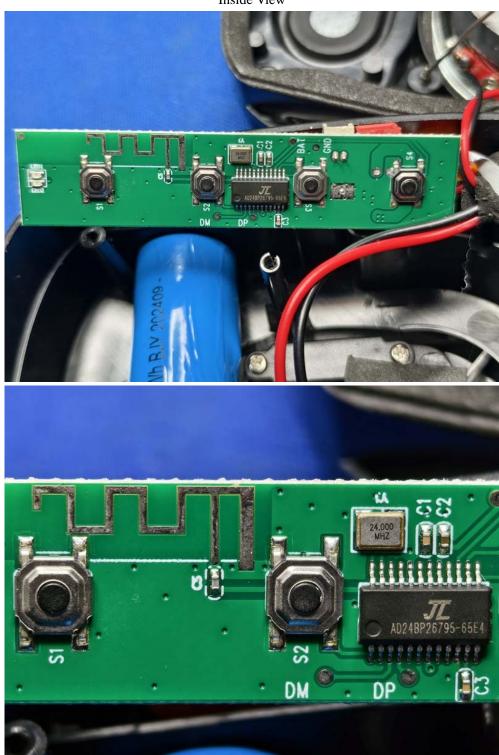
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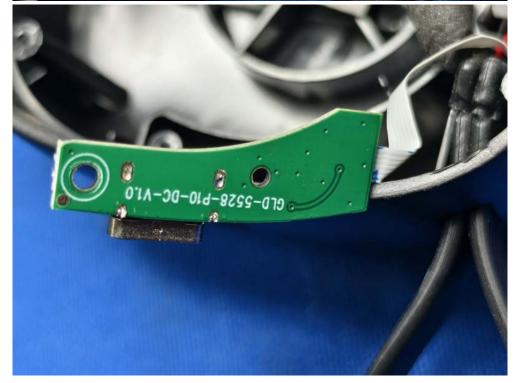
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Inside View





-- End of the report--

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