

Applicant: Shenzhen Glory Star Technology Industrial Co., Ltd

Product: wireless speaker

Model No.: P100, Y-SKR17-1, Y-SKR17-3, S41, S42, S47, S55, S56, S57,

S65, S66, S69, S70, S73, S74, S75

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 long

Terry Tang

Manager

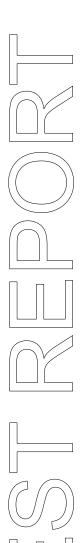
Dated: February 19, 2025

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

Date: 2025-02-19



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: 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: P100

Additional Model Name Y-SKR17-1, Y-SKR17-3, S41, S42, S47, S55, S56, S57, S65, S66, S69, S70,

S73, S74, S75

Rating: Input: DC5V

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

Serial No.: YSKR0001

Hardware Version: V2.0 Software Version: V5.4

Operation Frequency: 2402-2480MHz

Modulation Type: GFSK, Л/4DQPSK

Number of Channels: 79 Channel Separation: 1MHz

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

1.4 Submitted Sample: 2 Samples

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1.5 Test Duration

2025-01-13 to 2025-02-19

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

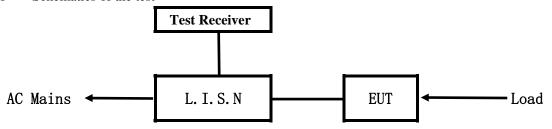
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

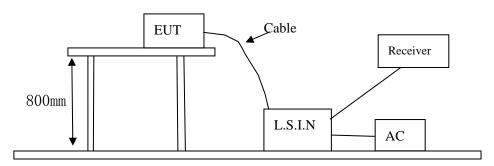


EUT: Equipment Under Test

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
		P100, Y-SKR17-1,	
	Shenzhen Glory Star	Y-SKR17-3, S41, S42,	
wireless speaker	Technology Industrial Co.,	S47, S55, S56, S57, S65,	2AS7V-Y-SKR17
	Ltd	S66, S69, S70, S73, S74,	
		S75	

B. Internal Device

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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 (c	IB μV)
(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)

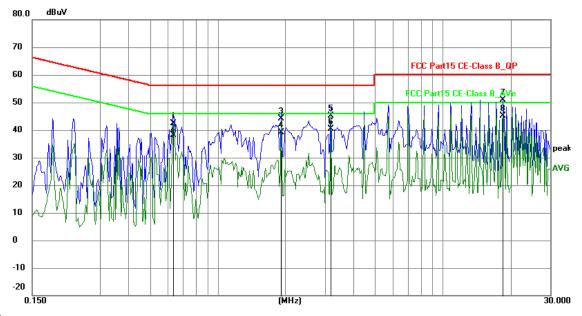
EUT Operating Environment

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	0.6336	31.97	10.44	42.41	56.00	-13.59	QP	Р
2	0.6336	27.60	10.44	38.04	46.00	-7.96	AVG	Р
3	1.9128	32.84	11.25	44.09	56.00	-11.91	QP	J
4	1.9128	27.83	11.25	39.08	46.00	-6.92	AVG	Р
5	3.1872	33.41	11.74	45.15	56.00	-10.85	QP	Р
6	3.1872	28.59	11.74	40.33	46.00	-5.67	AVG	П
7	18.4908	34.74	16.04	50.78	60.00	-9.22	QP	П
8	18.4908	29.17	16.04	45.21	50.00	-4.79	AVG	Р

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

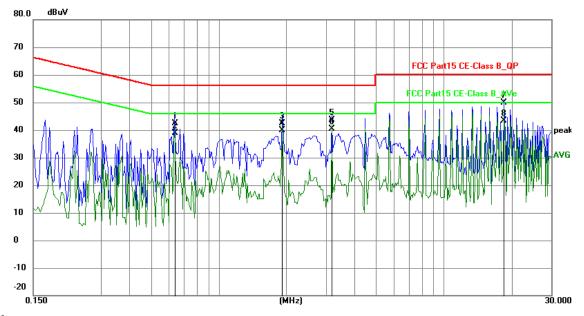
EUT Operating Environment

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	0.6375	31.95	10.44	42.39	56.00	-13.61	QP	Р
2	0.6375	28.36	10.44	38.80	46.00	-7.20	AVG	Р
3	1.9128	31.03	11.25	42.28	56.00	-13.72	QP	Р
4	1.9128	28.72	11.25	39.97	46.00	-6.03	AVG	Р
5	3.1872	31.80	11.74	43.54	56.00	-12.46	QP	Р
6	3.1872	28.57	11.74	40.31	46.00	-5.69	AVG	Р
7	18.4908	33.93	16.04	49.97	60.00	-10.03	QP	Р
8	18.4908	27.22	16.04	43.26	50.00	-6.74	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:

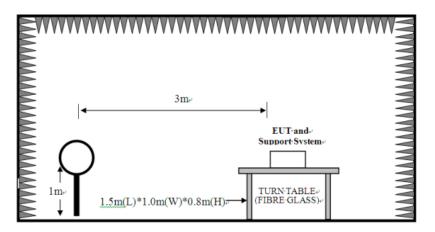
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

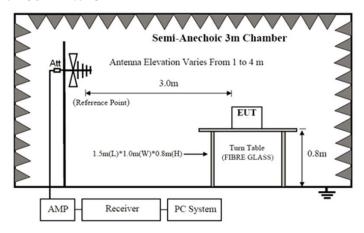
For radiated emissions from 9kHz to 30MHz



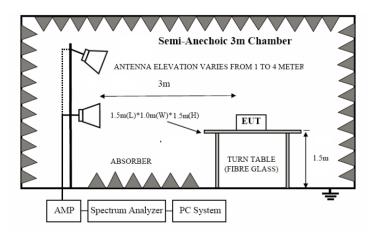
Date: 2025-02-19



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)
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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.
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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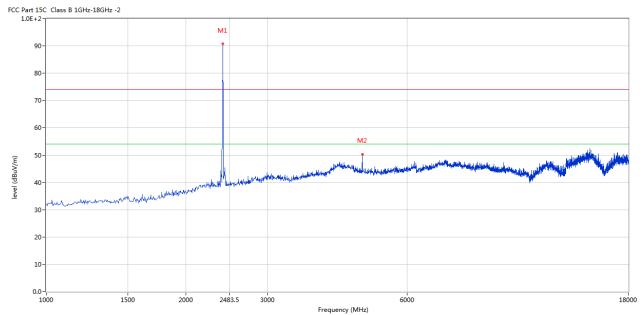


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



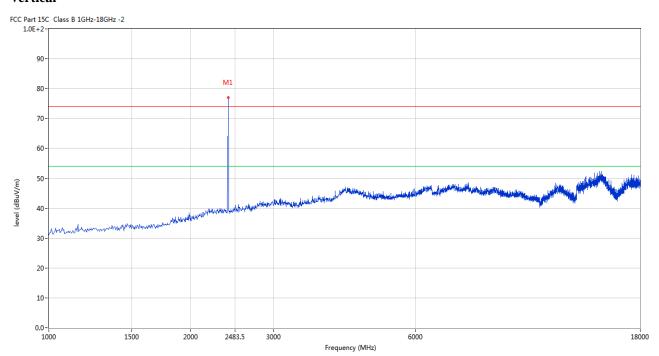
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	90.68	-3.57	114.0	-23.32	Peak	275.00	100	Horizontal	Pass
2	4802.799	50.31	3.12	74.0	-23.69	Peak	333.00	100	Horizontal	Pass

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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	77.10	-3.57	114.0	-36.90	Peak	193.00	100	Vertical	Pass

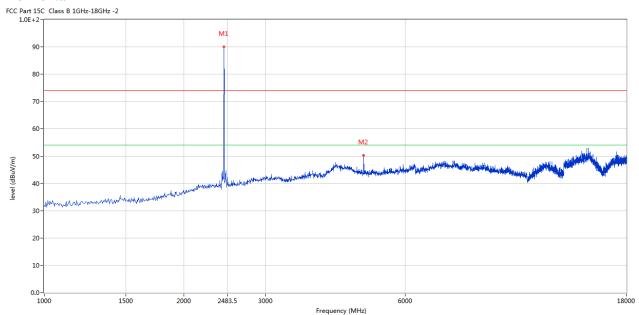
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



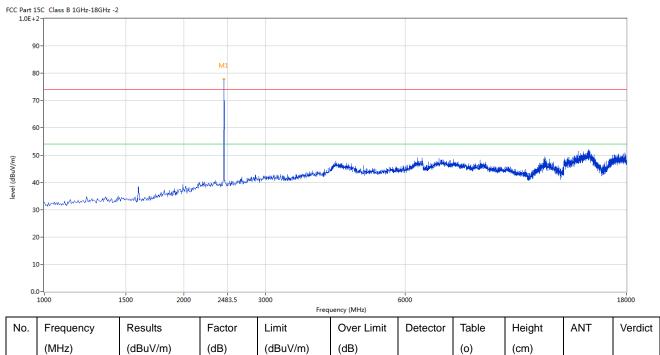
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	89.98	-3.57	114.0	-24.02	Peak	272.00	100	Horizontal	Pass
2	4883.529	50.19	3.20	74.0	-23.81	Peak	321.00	100	Horizontal	Pass

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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	77.73	-3.57	114.0	-36.27	Peak	156.00	100	Vertical	Pass

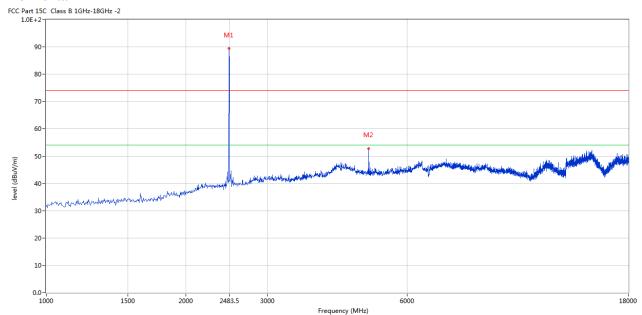
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	89.37	-3.57	114.0	-24.63	Peak	270.00	100	Horizontal	Pass
2	4960.010	52.81	3.36	74.0	-21.19	Peak	270.00	100	Horizontal	Pass

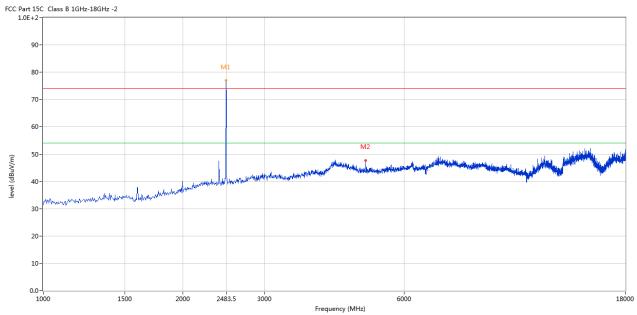
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	77.10	-3.57	114.0	-36.90	Peak	191.00	100	Vertical	Pass
2	4960.010	47.65	3.36	74.0	-26.35	Peak	140.00	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

10

Please refer to following diagram for individual

FCC_FCC Part 15B Class B 30MHz-1GHz

70

60
50
M1

M2

M3

M1

M2

					Frequency (MHz)					
No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	59.093	27.67	-5.25	40.0	12.33	Peak	236.00	100	Horizontal	Pass
2	110.732	26.47	-5.96	43.5	17.03	Peak	134.00	100	Horizontal	Pass
3	182.252	33.59	-7.51	43.5	9.91	Peak	338.00	100	Horizontal	Pass
4*	239.710	41.65	-5.63	46.0	4.35	QP	342.00	100	Horizontal	Pass
5	394.629	40.06	-1.74	46.0	5.94	Peak	342.00	100	Horizontal	Pass
6	767.986	41.09	1.78	46.0	4.91	Peak	10.00	100	Horizontal	Pass

200

1000

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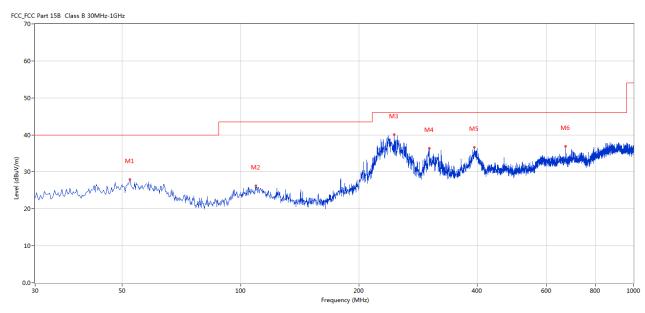


Radiated Emission In Vertical (30MHz----1000MHz)

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	52.304	27.92	-4.88	40.0	12.08	Peak	29.00	100	Vertical	Pass
2	109.520	26.22	-5.98	43.5	17.28	Peak	283.00	100	Vertical	Pass
3	246.256	40.05	-5.34	46.0	5.95	Peak	104.00	100	Vertical	Pass
4	302.017	36.37	-4.11	46.0	9.63	Peak	269.00	100	Vertical	Pass
5	393.174	36.70	-1.85	46.0	9.30	Peak	102.00	100	Vertical	Pass
6	671.980	36.86	1.80	46.0	9.14	Peak	260.00	100	Vertical	Pass

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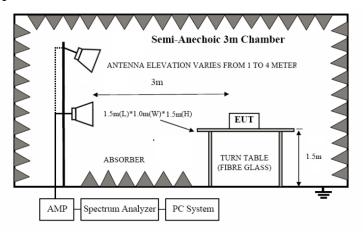


7. Band Edge

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.

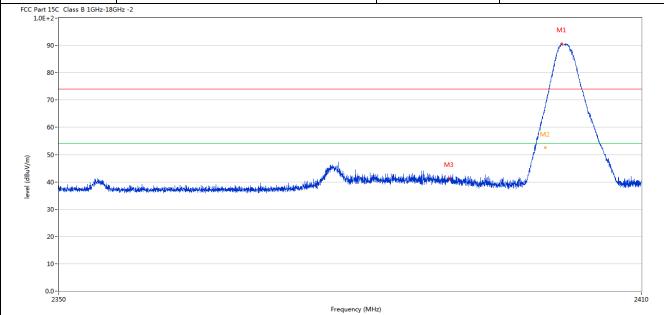
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7.6 Test Result

Product:	wireless speaker	Polarity	Horizontal					
Mode	Keeping Transmitting	Test Voltage	DC3.7V					
Temperature	24 deg. C,	Humidity	56% RH					
Test Result:	Pass							
FCC Part 15C Class B 1GHz-18GHz -2								



Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
2401.707	90.60	-3.57	74.0	16.60	Peak	276.00	100	Horizontal	N/A
2400.027	67.98	-3.57	74.0	-6.02	Peak	266.00	100	Horizontal	Pass
2400.027	52.54	-3.57	54.0	-1.46	AV	266.00	100	Horizontal	Pass
2390.025	41.26	-3.53	74.0	-32.74	Peak	276.00	100	Horizontal	Pass
	(MHz) 2401.707 2400.027 2400.027	(MHz) (dBuV/m) 2401.707 90.60 2400.027 67.98 2400.027 52.54	(MHz) (dBuV/m) (dB) 2401.707 90.60 -3.57 2400.027 67.98 -3.57 2400.027 52.54 -3.57	(MHz) (dBuV/m) (dB) (dBuV/m) 2401.707 90.60 -3.57 74.0 2400.027 67.98 -3.57 74.0 2400.027 52.54 -3.57 54.0	(MHz) (dBuV/m) (dB) (dBuV/m) (dB) 2401.707 90.60 -3.57 74.0 16.60 2400.027 67.98 -3.57 74.0 -6.02 2400.027 52.54 -3.57 54.0 -1.46	(MHz) (dBuV/m) (dB) (dBuV/m) (dB) 2401.707 90.60 -3.57 74.0 16.60 Peak 2400.027 67.98 -3.57 74.0 -6.02 Peak 2400.027 52.54 -3.57 54.0 -1.46 AV	(MHz) (dBuV/m) (dB) (dBuV/m) (dB) (o) 2401.707 90.60 -3.57 74.0 16.60 Peak 276.00 2400.027 67.98 -3.57 74.0 -6.02 Peak 266.00 2400.027 52.54 -3.57 54.0 -1.46 AV 266.00	(MHz) (dBuV/m) (dB) (dBuV/m) (dB) (o) (cm) 2401.707 90.60 -3.57 74.0 16.60 Peak 276.00 100 2400.027 67.98 -3.57 74.0 -6.02 Peak 266.00 100 2400.027 52.54 -3.57 54.0 -1.46 AV 266.00 100	(MHz) (dBuV/m) (dB) (dB) (o) (cm) 2401.707 90.60 -3.57 74.0 16.60 Peak 276.00 100 Horizontal 2400.027 67.98 -3.57 74.0 -6.02 Peak 266.00 100 Horizontal 2400.027 52.54 -3.57 54.0 -1.46 AV 266.00 100 Horizontal

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	Product:	wireless speaker				Detect	tector Vertical		Vertical	
	Mode	le Keeping Transmitting				Test Vol	ltage DC3.7V			
Те	emperature 24 deg. C,				Humid	ity		56% RH		
T	est Result:	Pass								
	rt 15C Class B 1GHz-18G E+2-	Hz -2			<u>'</u>					
	90-									
	80-								M1	
	70-									
	60-									
	50-									
Ę.									V	
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level (dBuV/m	SO-	und the entire of the state of	historia de la comencia del la comencia de la comencia del la comencia de la comencia del la come	en sovelden de se entelege, med en fres der entelement	Frequency (MHz)			1		
	30-	Results	Factor	Limit				1	ANT	2410
No.	30- 20- 10- 2350				Frequency (MHz)	processor de plate a margen	Aria ita kandundun	and the same of th	ANT	2410
	30- 20- 10- 2350 Frequency	Results	Factor	Limit	Frequency (MHz) Over Limit	processor de plate a margen	Table	Height	ANT Vertical	2410
	30- 20- 10- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)		2410 Verdic
No.	30- 20- 10- 2350 Frequency (MHz) 2401.857	Results (dBuV/m) 76.86	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 2.86	Detector	Table (o) 204.00	Height (cm)	Vertical	verdic

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Date: 2025-02-19



]	Product:	wireless speaker			P	olarity		Horizont	al	
	Mode	de Keeping Transmitting			Tes	Test Voltage D		DC3.7V	I	
Te	mperature	ature 24 deg. C,			Hı	ımidity		56% RF	I	
Те	est Result:		F	Pass						
C Part : 1.0E+	15C Class B 1GHz-18GH	z -2								
	90-		M	1						
8	30-									
7	70-		7							
6	50-		/							
	50-		•		h _k					
(m/apo	50-			M2	196.	li La	1		والمساورة	
(11/4)	10 - Milione 4 M 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	historia di salah da kabupatan d	•	M2	196.	May receive by the state of the	desert of the delication	h literapiera de la companya de la c	A property the state of the sta	halfarajadajan
4		iki manaji meranak dan		M2	196.	iikaliye ayakiya ke halari ke halar	nderged particle than the life	h Managlashi ya da ayisah sigil	Character de la colon de la co	w Howard de glace
	10-	historia maili sun de maria de la descripción de la companya de la		M2	196.	والمراجع والمواجع والمراجع والم والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراج	ndraged part of Albrich lay the	a Managlasia deligra de applicação	المستماسية والمناورة والمارية	and the state of t
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E/Ango) 4	10 - Miles and M	historian allisa kanada ka		M2	.5		etaggidages de del tradition de la gelle	h. Proc. Bitachtequebusht-qt	Algeria konsteria de	2500
E/Ango) 4	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	Results	Factor		The state of the s		Table	The second secon	Lauranienia de la compositione d	I
1/Angon (angon)	10-410-410-410-410-410-410-410-410-410-4	Results	Factor (dB)	2483	.5 Frequency (MHz)	Detector	Table	Height		2500 Verdid
1 1 1 No.	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -		Factor (dB)	2483	.5 Frequency (MHz)		1 May 2	The second secon		1
1/Angan 19491	Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	.5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdi

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]	Product:	wireless speaker				Detec	tor		Vertical	
	Mode	K	Keeping Transmitting			Test Vo	ltage	DC3.7V		
Te	mperature		24 deg. C,			Humio	lity	56% RH		
Te	est Result:		Pass							
	rt 15C Class B 1GHz-18GH E+2-	z -2			L			L		
	90-		M1	Lan Cape						
level (dBuV/m)	50- 40- 30- 20-	المعتبر بالمعارض المعارض المعا		M2	ndering and the second state of	turnya di disensi kanana	a de la constitución de la const	gli, a, kaloly i de angle a <u>nigh</u> ang	ang salam di Alajik di dan dan da	Uk sajana pida sepi
	50- 40- 30- 20-	المحتبيني فيدار أوجود والمستوفة فيترافأ		2483.5		tures you have be the total thrown to be the second	atalan an ang ang ang ang ang ang ang ang an	yk, a, kalajoj komoniko miskovi	anti-ation, de l'égite de devise, a	2500
	50 - 40 - 30 - 20 -	Results	Factor	2483.5		Detector	Table	Height	ANT	2500
	50 - 40 - 30 - 20 - 10 - 2470	The second secon	Factor (dB)	2483.5	Frequency (MHz)	The second secon		- 1 A - 1 A		2500
	30- 20- 10- 2470	Results		2483.5	Frequency (MHz) Over Limit	The second secon	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

Product: wireless speaker		er Test M	Mode:	Keep transmitting
Mode	Keeping Transmitting		oltage/	DC3.7V
Temperature	24 deg. C,	Hum	nidity	56% RH
Test Result:	Pass	Dete	ector	PK
0dB Bandwidth	870kHz	-	-	
Ref 10 dF	Bm *Att 20 d	*RBW 30 kHz *VBW 100 kHz B SWT 5 ms	Delta 1 [T	-0.06 dB 000000 kHz
				-22.65 dBm
PK -10			Marker 2 [
20	-23.18 dBm			
30	-23.10 dbiir			
-40				
50			\m\	3DB
mum	r ³			min
-70				
-80				
-90				
Center 2.4	402 GHz	300 kHz/		Span 3 MHz

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

Date: 21.JAN.2025 15:46:46

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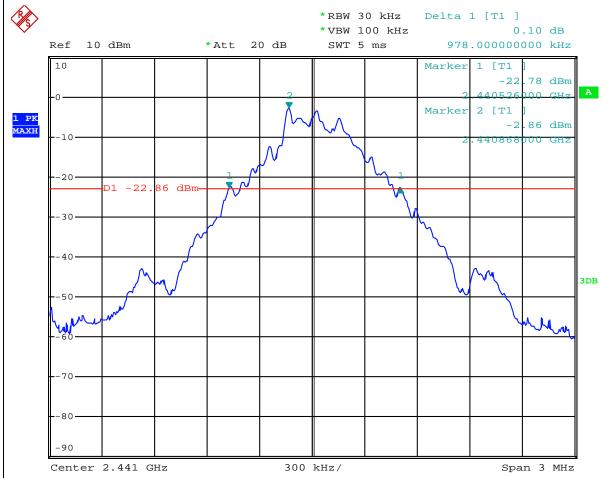
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GFSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	978kHz		



Date: 21.JAN.2025 15:42:22

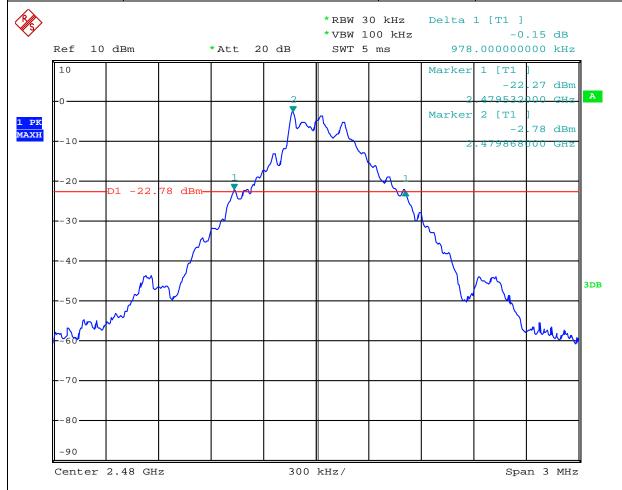
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GFSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	978kHz		



Date: 21.JAN.2025 15:40:58

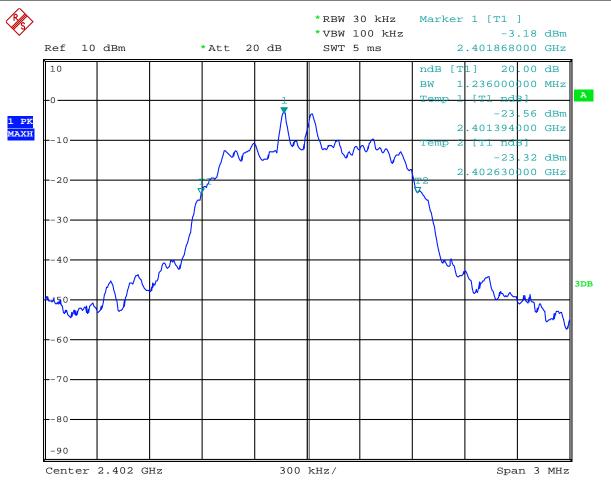
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Л/4DQPSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.236MHz		1



Date: 21.JAN.2025 15:24:18

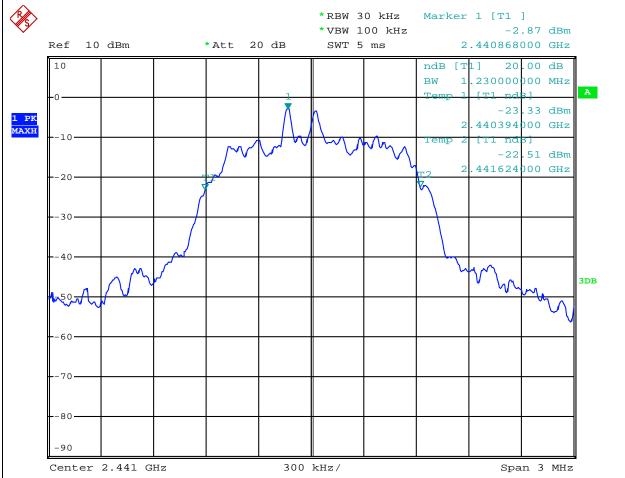
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Л/4DQPSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.230MHz		



Date: 21.JAN.2025 15:31:24

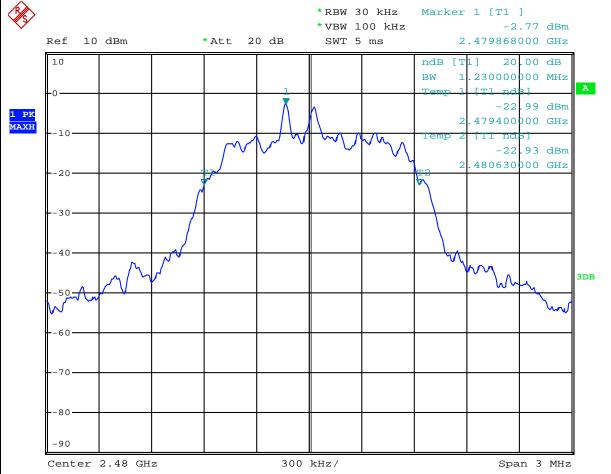
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Л/4DQPSK			
Product:	wireless speaker	Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	PK
20dB Bandwidth	1.230MHz		
^		<u>.</u>	



Date: 21.JAN.2025 15:32:54

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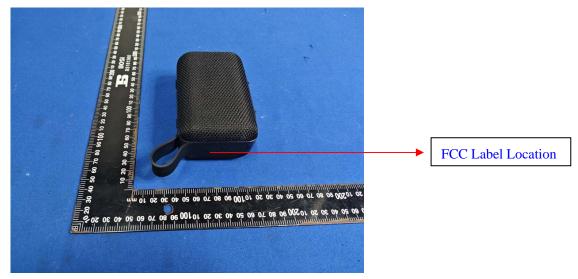


10.0 FCC ID Label

FCC ID: 2AS7V-Y-SKR17

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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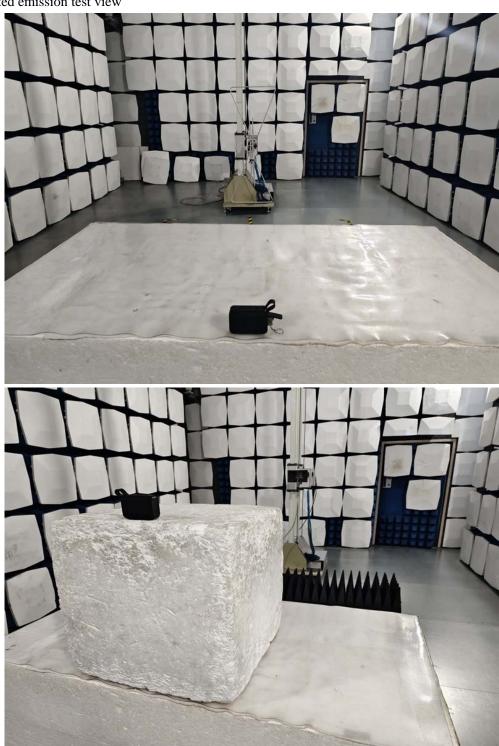
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Radiated emission test view



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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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Report No.: TWN2501643E

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Inside View



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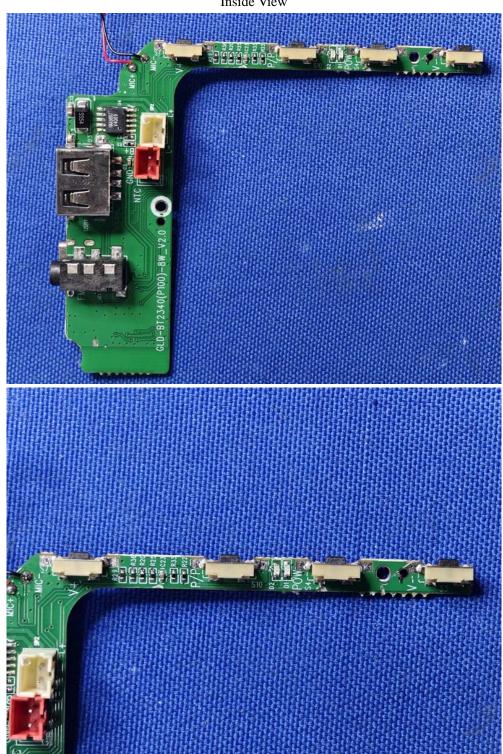
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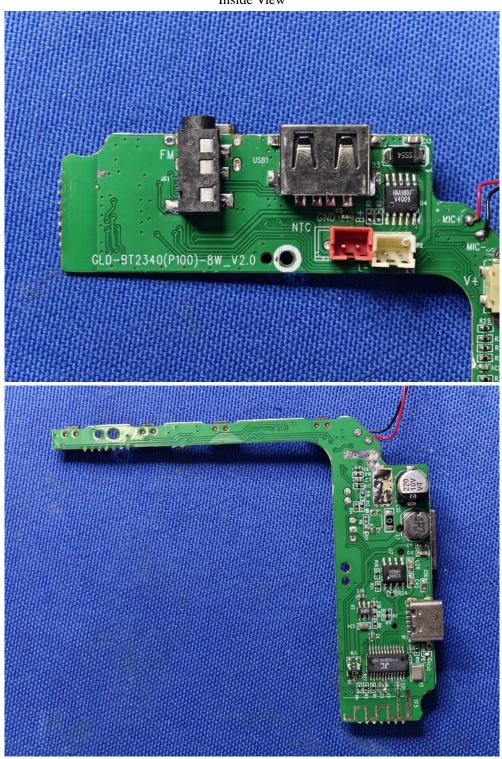
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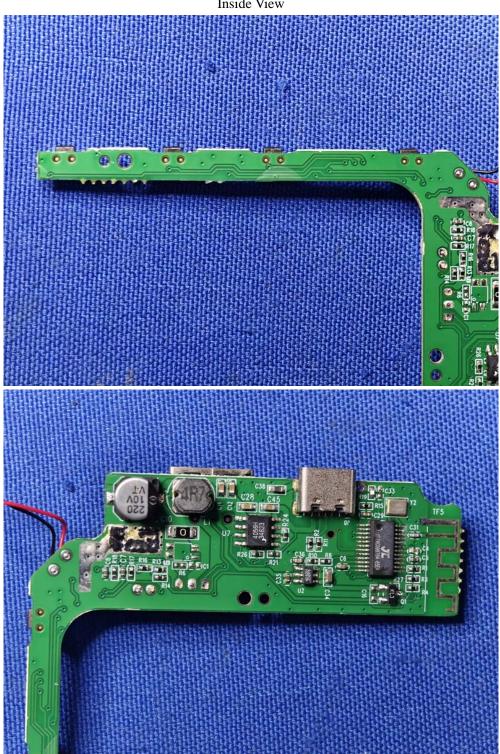
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Inside View



-- End of the report--

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