



Report No.:	TW2507015-01E
Applicant:	Bytech NY Inc.
Product:	wireless speaker
Model No.:	CL-AU-BS-119-AC, CL-AU-BS-1189, P95
Trademark:	Bytech, Case logic
Test Standards:	FCC Part 15.249
Test result:	<p>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</p>
Approved By	
	A handwritten signature in black ink that reads "Terry Tang".
Terry Tang	
Manager	
Dated:	July 31, 2025
<p>Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at</p>	
<p>SHENZHEN TIMEWAY TESTING LABORATORIES</p>	
<p>Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China</p>	
<p>Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com</p>	



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 States
Registration Number: 744189
For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Bytech NY Inc.
Address: 2585 West 13th Street, Brooklyn NY 11223 New York, NY 11223

1.3 Description of EUT

Product:	wireless speaker
Manufacturer:	Bytech NY Inc.
Address:	2585 West 13th Street, Brooklyn NY 11223 New York, NY 11223
Trademark:	Bytech, Case logic
Model Number:	CL-AU-BS-119-AC
Additional Model Name	CL-AU-BS-1189, P95
Rating:	Input: DC5V, 1A
Battery:	DC3.7V, 1200mAh Li-ion battery
Serial No.:	P95202507
Hardware Version:	V1.0
Software Version:	V1.0
Operation Frequency:	2402-2480MHz
Modulation Type:	GFSK, $\pi/4$ 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

2025-07-18 to 2025-07-31

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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

A handwritten signature in black ink that reads "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	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100253	2025-07-11	2026-07-10
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2025-07-11	2026-07-10
Loop Antenna	EMCO	6507	00078608	2025-07-17	2028-07-16
Spectrum	R&S	FSIQ26	100292	2025-07-11	2026-07-10
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2025-07-17	2028-07-16
Horn Antenna	R&S	BBHA 9120D	9120D-631	2025-07-17	2028-07-16
Power meter	Anritsu	ML2487A	6K00003613	2025-07-11	2026-07-10
Power sensor	Anritsu	MA2491A	32263	2025-07-11	2026-07-10
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2025-07-17	2028-07-16
9*6*6 Anechoic	--	--	N/A	2025-07-11	2028-07-10
EMI Test Receiver	RS	ESCS 30	834115/006	2025-07-11	2026-07-10
Spectrum	HP/Agilent	E4407B	MY50441392	2025-07-11	2026-07-10
Spectrum	RS	FSP	1164.4391.38	2025-07-11	2026-07-10
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	--	2025-07-11	2026-07-10
RF Cable	Zhengdi	7m	--	2025-07-11	2026-07-10
Pre-Amplifier	Schwarebeck	BBV9743	#218	2025-07-11	2026-07-10
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2025-07-11	2026-07-10
LISN	SCHAFFNER	NNB42	00012	2025-07-11	2026-07-10
LISN	R&S	EZH3-Z5	100294	2025-07-11	2026-07-10

2.2 Automation Test Software

For Conducted Emission Test

Name	Version
EZ-EMC	Ver.EMC-CON 3A1.1

For Radiated Emissions

Name	Version
EMI Test Software BL410-EV18.91	V18.905
EMI Test Software BL410-EV18.806 High Frequency	V18.06

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:			
Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies
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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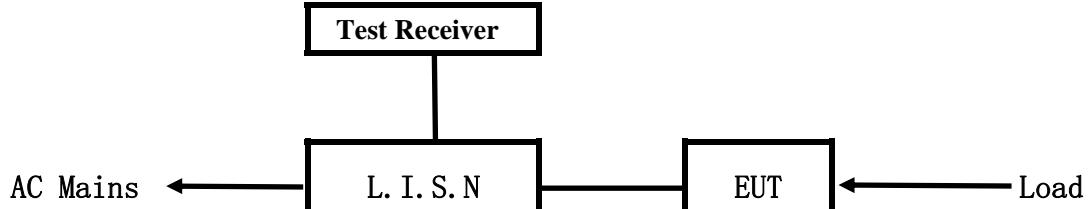
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test



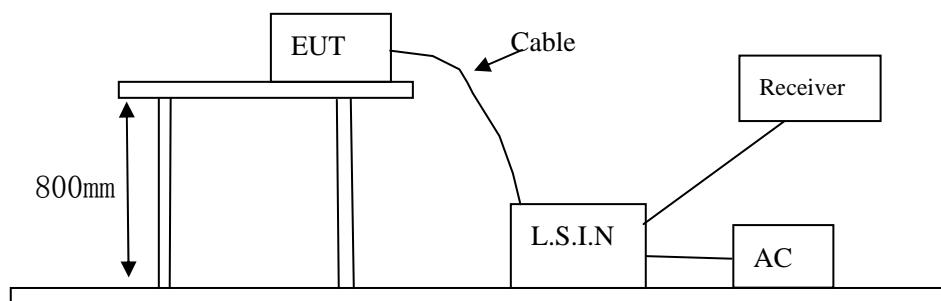
EUT: Equipment Under Test

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	Bytech NY Inc.	CL-AU-BS-119-AC, CL-AU-BS-1189, P95	2AHN6-AUBS119

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

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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 (MHz)	Limits (dB μ V)	
	Quasi-peak Level	Average Level
0.15 ~ 0.50	66.0~56.0*	56.0~46.0*
0.50 ~ 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)

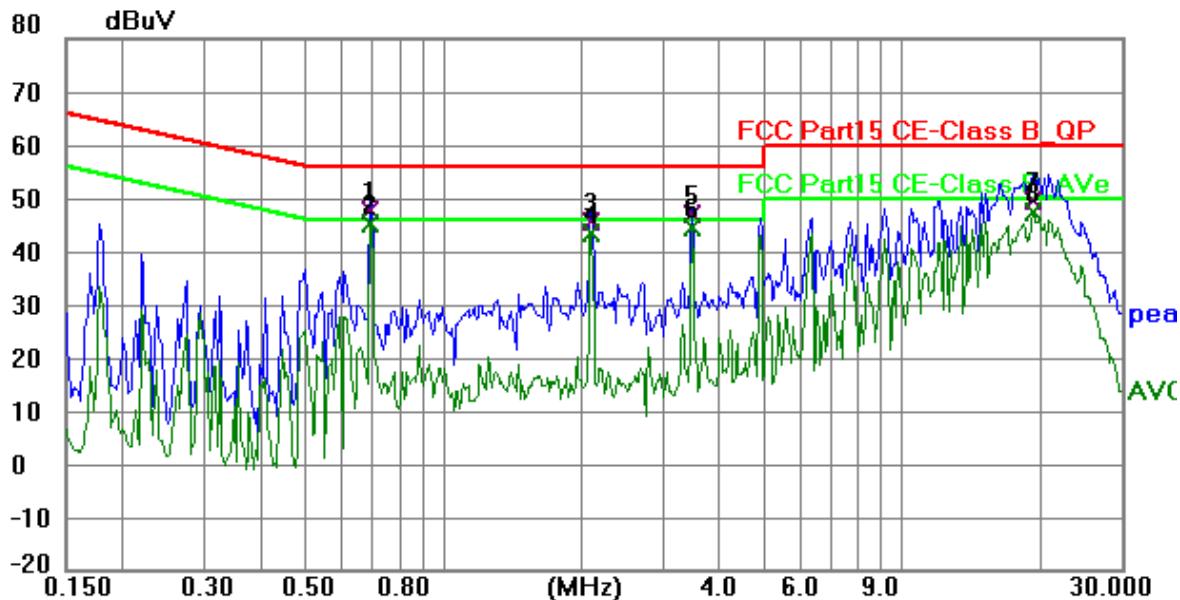
EUT Operating Environment

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

EUT set Condition: 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	0.6920	37.10	10.46	47.56	56.00	-8.44	QP	P
2	0.6920	34.71	10.46	45.17	46.00	-0.83	AVG	P
3	2.1000	34.00	11.36	45.36	56.00	-10.64	QP	P
4	2.1000	32.14	11.36	43.50	46.00	-2.50	AVG	P
5	3.4797	34.94	11.85	46.79	56.00	-9.21	QP	P
6	3.4797	32.47	11.85	44.32	46.00	-1.68	AVG	P
7	19.3059	33.06	16.26	49.32	60.00	-10.68	QP	P
8	19.3059	31.04	16.26	47.30	50.00	-2.70	AVG	P

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

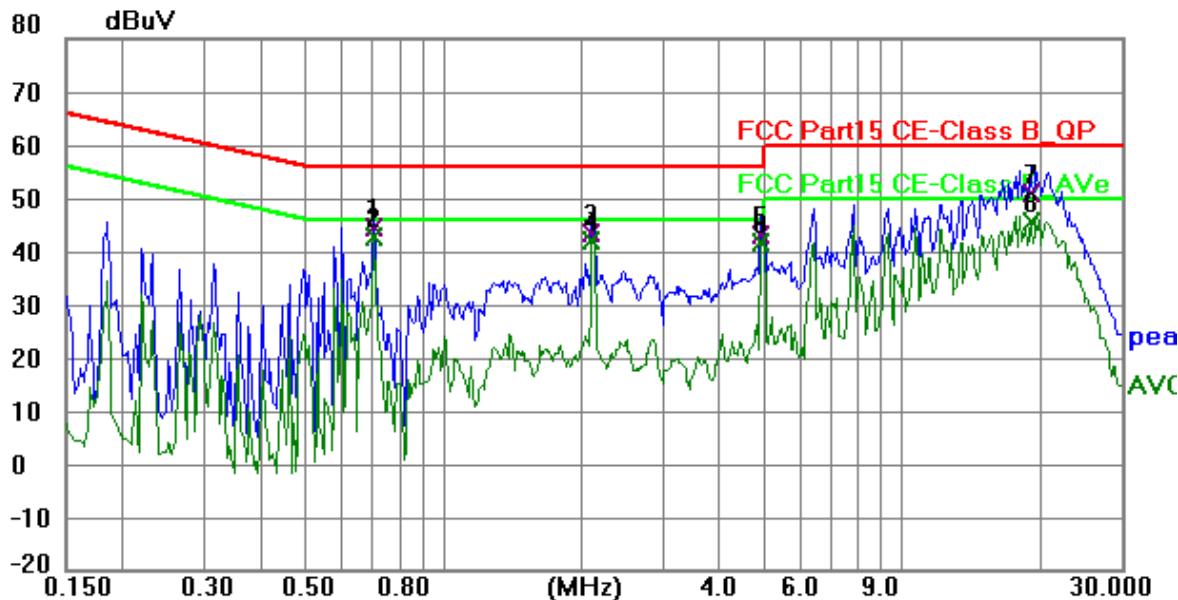
EUT Operating Environment

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

EUT set Condition: 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	0.7077	34.06	10.46	44.52	56.00	-11.48	QP	P
2	0.7077	32.24	10.46	42.70	46.00	-3.30	AVG	P
3	2.1039	31.98	11.36	43.34	56.00	-12.66	QP	P
4	2.1039	30.70	11.36	42.06	46.00	-3.94	AVG	P
5	4.9188	30.84	12.28	43.12	56.00	-12.88	QP	P
6	4.9188	29.28	12.28	41.56	46.00	-4.44	AVG	P
7	19.0719	34.62	16.20	50.82	60.00	-9.18	QP	P
8	19.0719	29.35	16.20	45.55	50.00	-4.45	AVG	P

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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
	Peak	1MHz	10Hz	Average

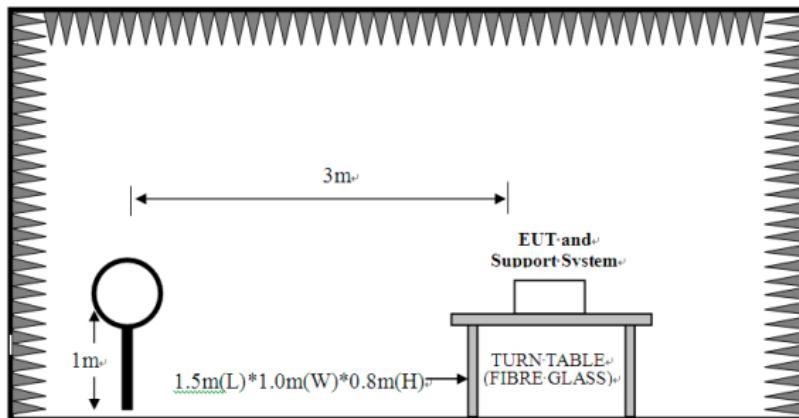
(Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz).

Measurements were made at 3 meters.

- (4) The antenna height 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



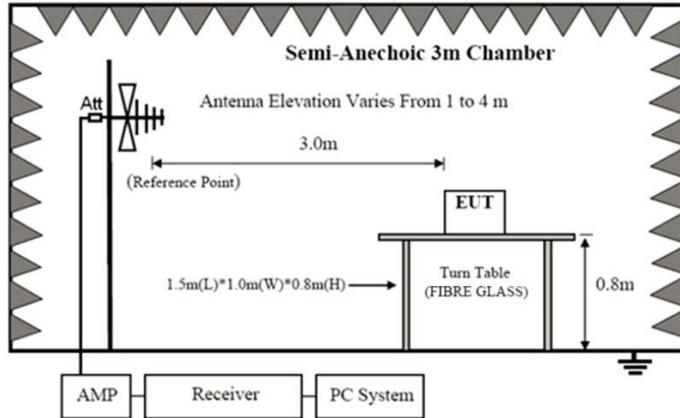
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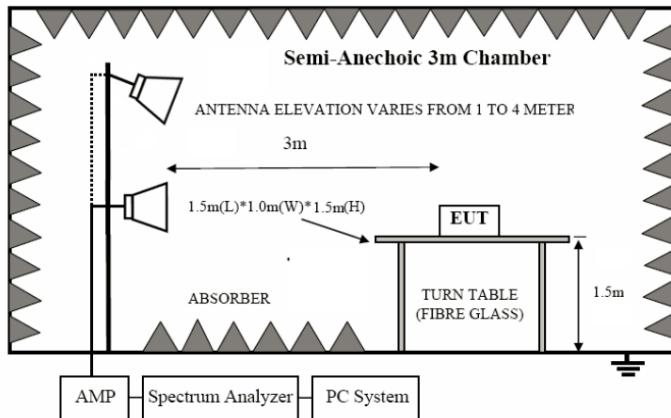
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For radiated emissions from 30MHz to1GHz



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:

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 § 15.209, whichever is the lesser attenuation.

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

Fundamental Frequency (MHz)	Field Strength of Fundamental (3m)			Field Strength of Harmonics (3m)		
	mV/m	dBuV/m		uV/m	dBuV/m	
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note: 1. RF Field Strength (dBuV) = 20 log RF 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 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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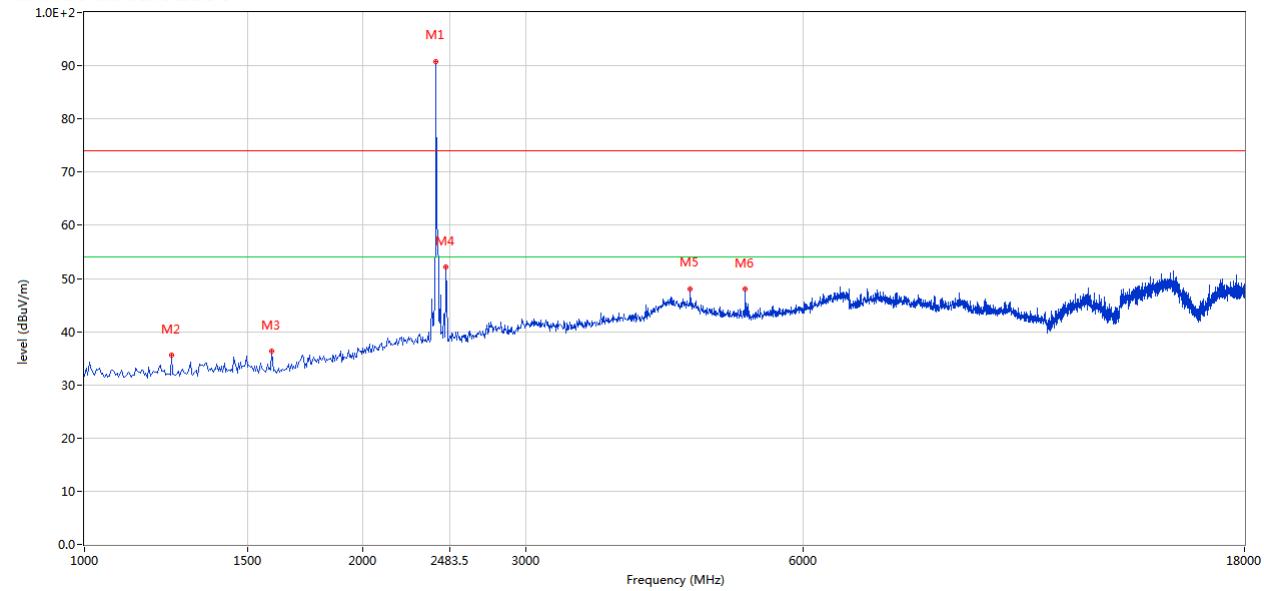
6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	90.81	-3.57	114.0	-23.19	Peak	264.00	100	Horizontal	Pass
2	1242.189	35.65	-8.64	74.0	-38.35	Peak	188.00	100	Horizontal	Pass
3	1594.851	36.32	-7.98	74.0	-37.68	Peak	125.00	100	Horizontal	Pass
4	2461.635	52.16	-3.57	74.0	-21.84	Peak	130.00	100	Horizontal	Pass
5	4526.618	48.08	2.30	74.0	-25.92	Peak	250.00	100	Horizontal	Pass
6	5189.453	47.99	3.66	74.0	-26.01	Peak	360.00	100	Horizontal	Pass

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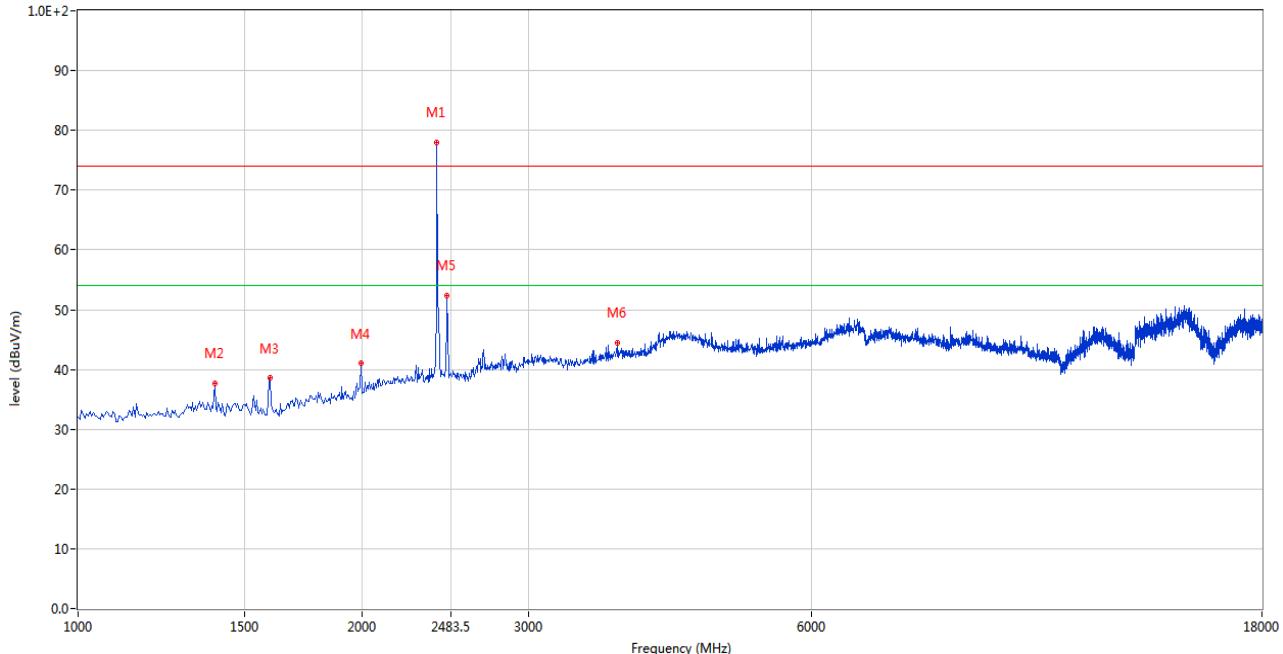
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Vertical

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402	78.04	-3.57	114.0	-35.96	Peak	112.00	100	Vertical	Pass
2	1395.151	37.74	-8.17	74.0	-36.26	Peak	4.00	100	Vertical	Pass
3	1599.100	38.67	-7.97	74.0	-35.33	Peak	273.00	100	Vertical	Pass
4	1994.251	41.01	-5.16	74.0	-32.99	Peak	45.00	100	Vertical	Pass
5	2461.635	52.40	-3.57	74.0	-21.60	Peak	35.00	100	Vertical	Pass
6	3727.818	44.49	-0.08	74.0	-29.51	Peak	76.00	100	Vertical	Pass

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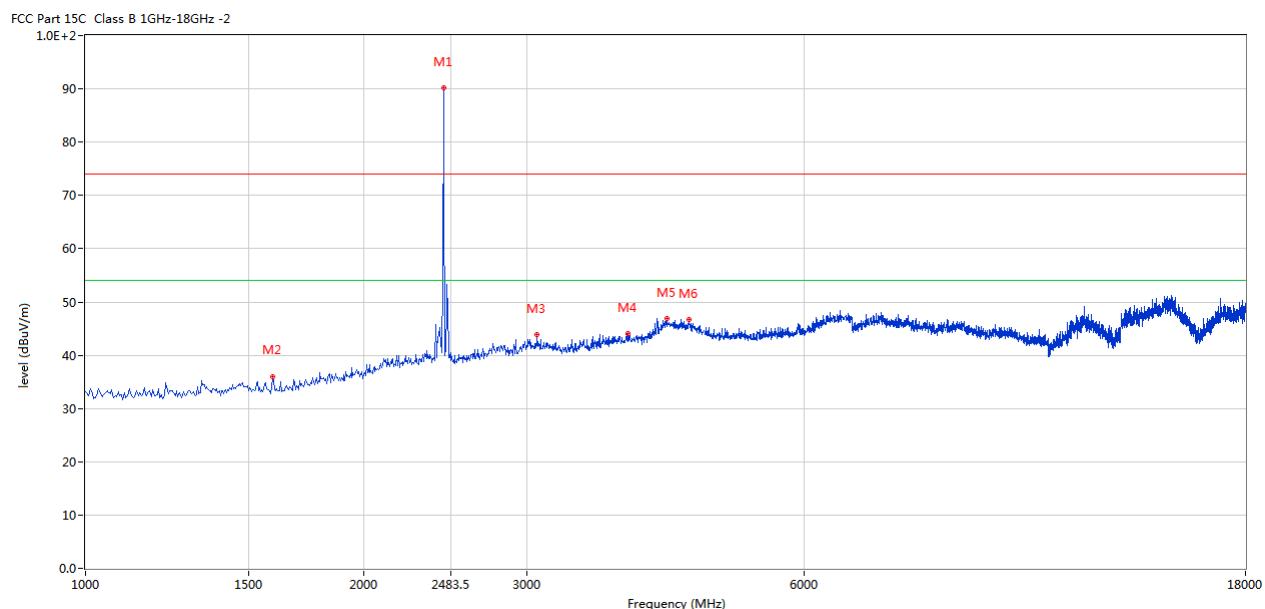
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	90.18	-3.57	114.0	-23.82	Peak	264.00	100	Horizontal	Pass
2	1594.851	35.91	-7.98	74.0	-38.09	Peak	138.00	100	Horizontal	Pass
3	3081.980	43.83	-2.28	74.0	-30.17	Peak	296.00	100	Horizontal	Pass
4	3859.535	44.04	0.61	74.0	-29.96	Peak	227.00	100	Horizontal	Pass
5	4254.686	46.88	1.73	74.0	-27.12	Peak	318.00	100	Horizontal	Pass
6	4501.125	46.65	2.21	74.0	-27.35	Peak	97.00	100	Horizontal	Pass

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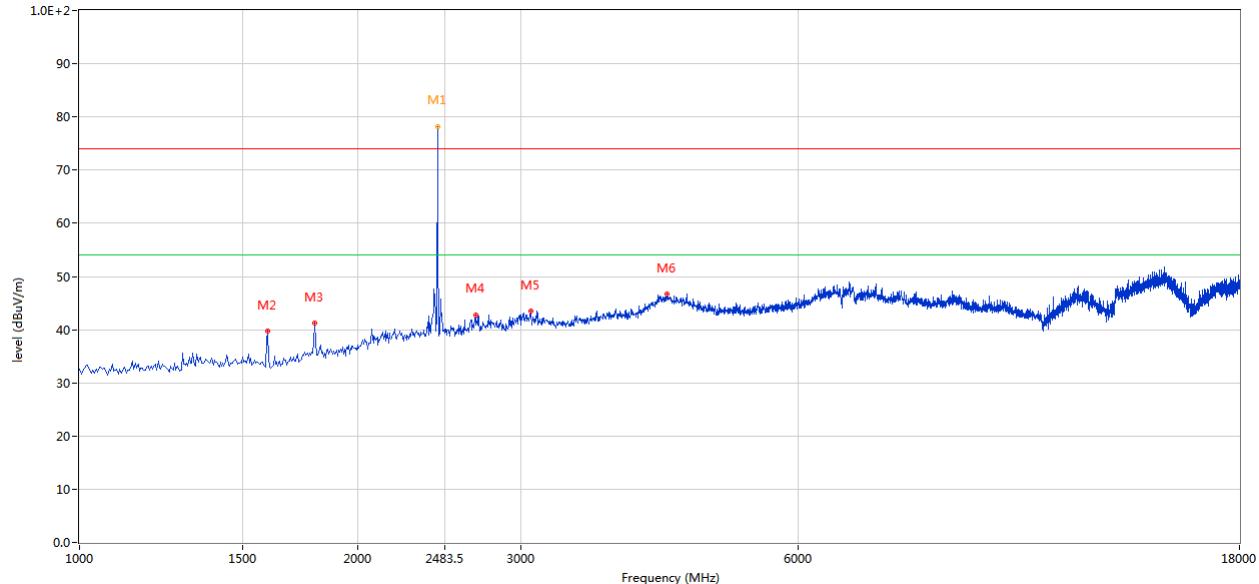
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Vertical

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2441	78.10	-3.57	114.0	-35.90	Peak	135.00	100	Vertical	Pass
2	1599.100	39.73	-7.97	74.0	-34.27	Peak	273.00	100	Vertical	Pass
3	1798.800	41.23	-6.83	74.0	-32.77	Peak	92.00	100	Vertical	Pass
4	2682.579	42.82	-3.02	74.0	-31.18	Peak	140.00	100	Vertical	Pass
5	3077.731	43.56	-2.29	74.0	-30.44	Peak	6.00	100	Vertical	Pass
6	4318.420	46.64	1.87	74.0	-27.36	Peak	187.00	100	Vertical	Pass

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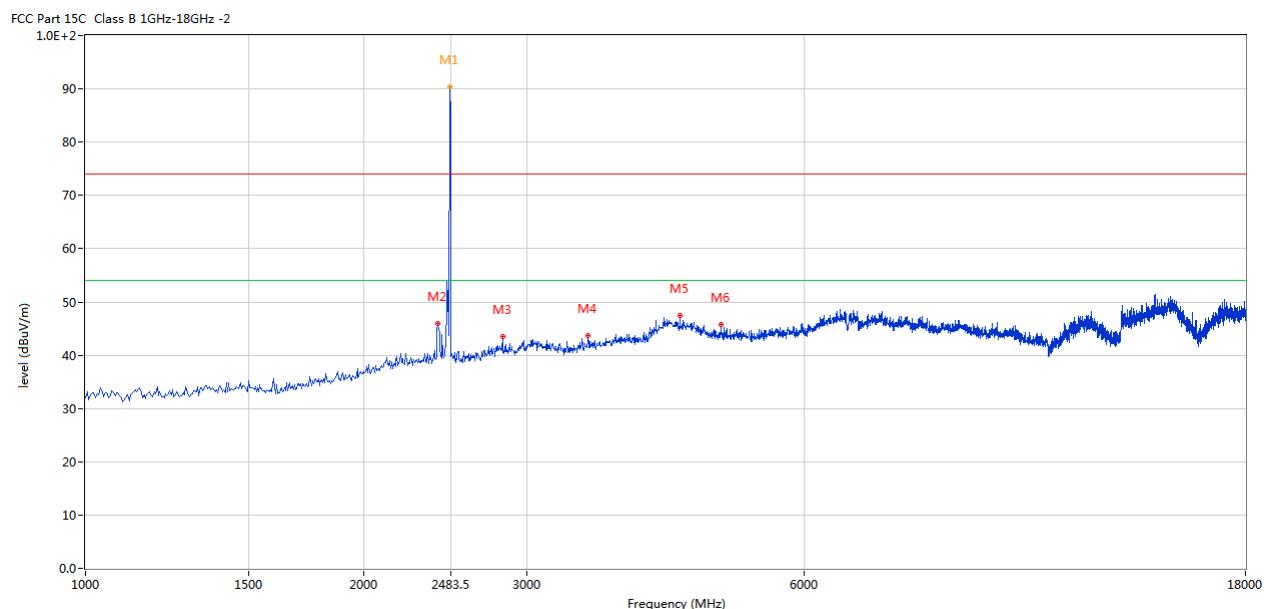
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	90.31	-3.57	114.0	-23.69	Peak	274.00	100	Horizontal	Pass
2	2406.398	45.89	-3.57	74.0	-28.11	Peak	300.00	100	Horizontal	Pass
3	2827.043	43.55	-2.69	74.0	-30.45	Peak	196.00	100	Horizontal	Pass
4	3498.375	43.69	-1.10	74.0	-30.31	Peak	294.00	100	Horizontal	Pass
5	4399.150	47.54	2.00	74.0	-26.46	Peak	279.00	100	Horizontal	Pass
6	4870.782	45.82	3.19	74.0	-28.18	Peak	69.00	100	Horizontal	Pass

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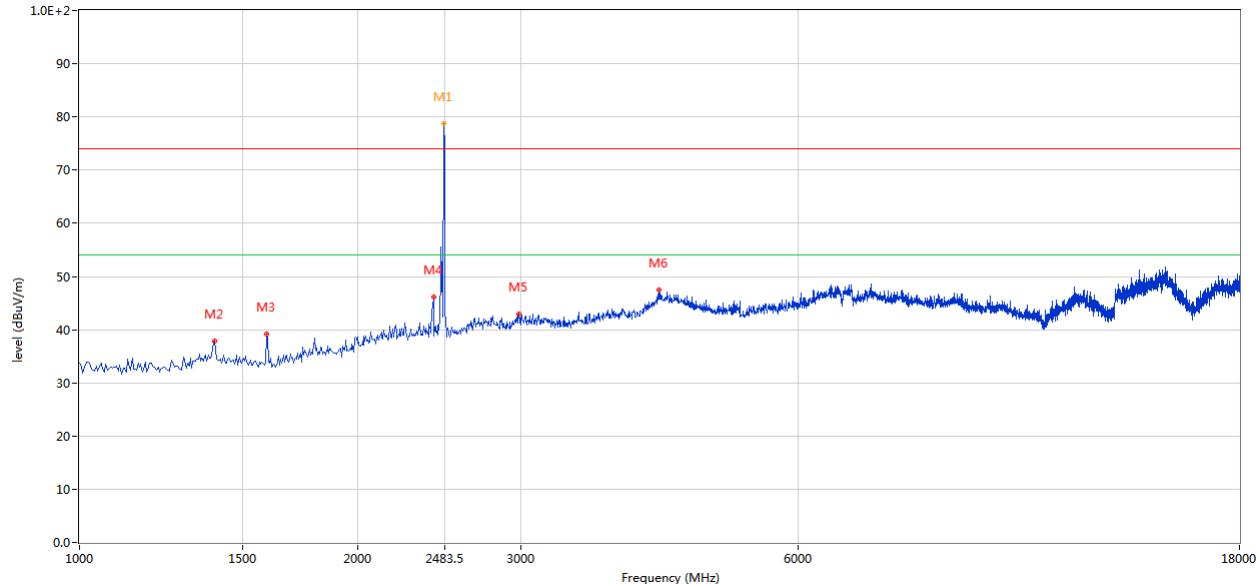
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Vertical

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480	78.77	-3.57	114.0	-35.23	Peak	103.00	100	Vertical	Pass
2	1399.400	37.76	-8.17	74.0	-36.24	Peak	125.00	100	Vertical	Pass
3	1594.851	39.21	-7.98	74.0	-34.79	Peak	211.00	100	Vertical	Pass
4	2414.896	46.17	-3.57	74.0	-27.83	Peak	236.00	100	Vertical	Pass
5	2988.503	43.00	-2.64	74.0	-31.00	Peak	316.00	100	Vertical	Pass
6	4241.940	47.50	1.70	74.0	-26.50	Peak	178.00	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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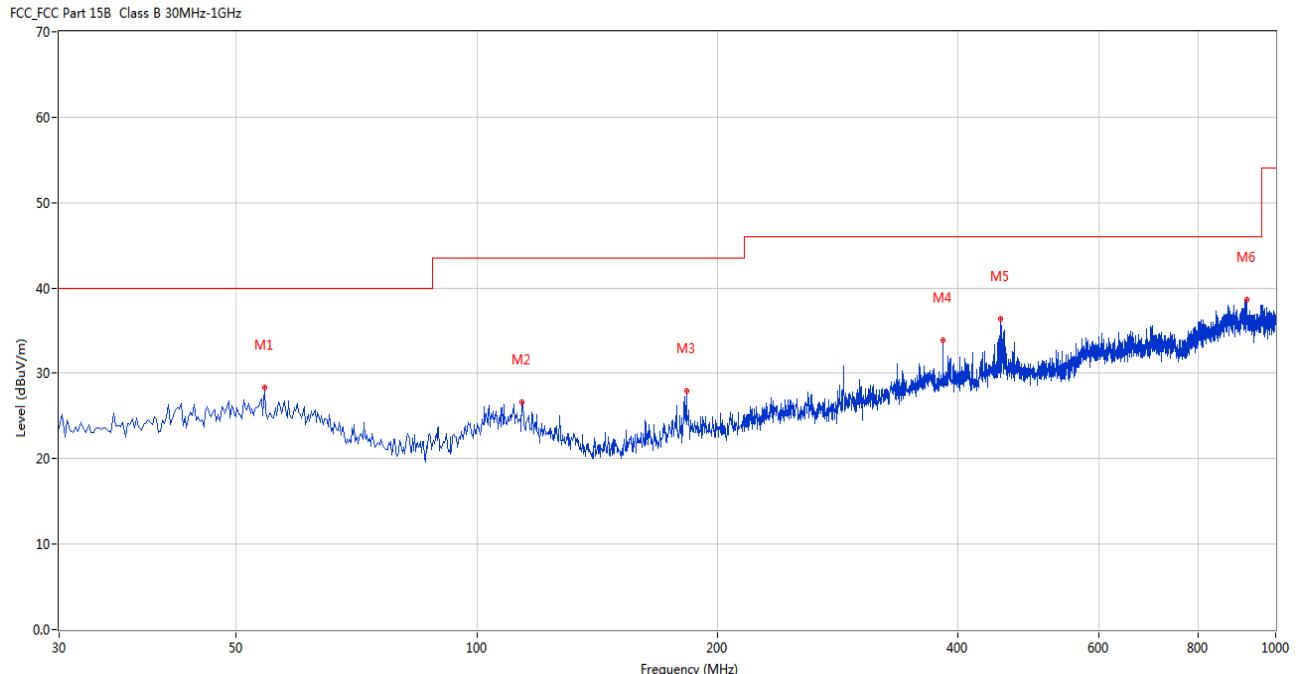
B. General Radiated Emission Data

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

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	54.244	28.31	-5.19	40.0	11.69	Peak	279.00	100	Horizontal	Pass
2	113.884	26.58	-6.54	43.5	16.92	Peak	144.00	100	Horizontal	Pass
3	182.979	27.94	-7.37	43.5	15.56	Peak	66.00	100	Horizontal	Pass
4	383.477	33.93	-2.02	46.0	12.07	Peak	114.00	100	Horizontal	Pass
5	452.572	36.33	-0.81	46.0	9.67	Peak	76.00	100	Horizontal	Pass
6	919.995	38.68	5.60	46.0	7.32	Peak	196.00	100	Horizontal	Pass

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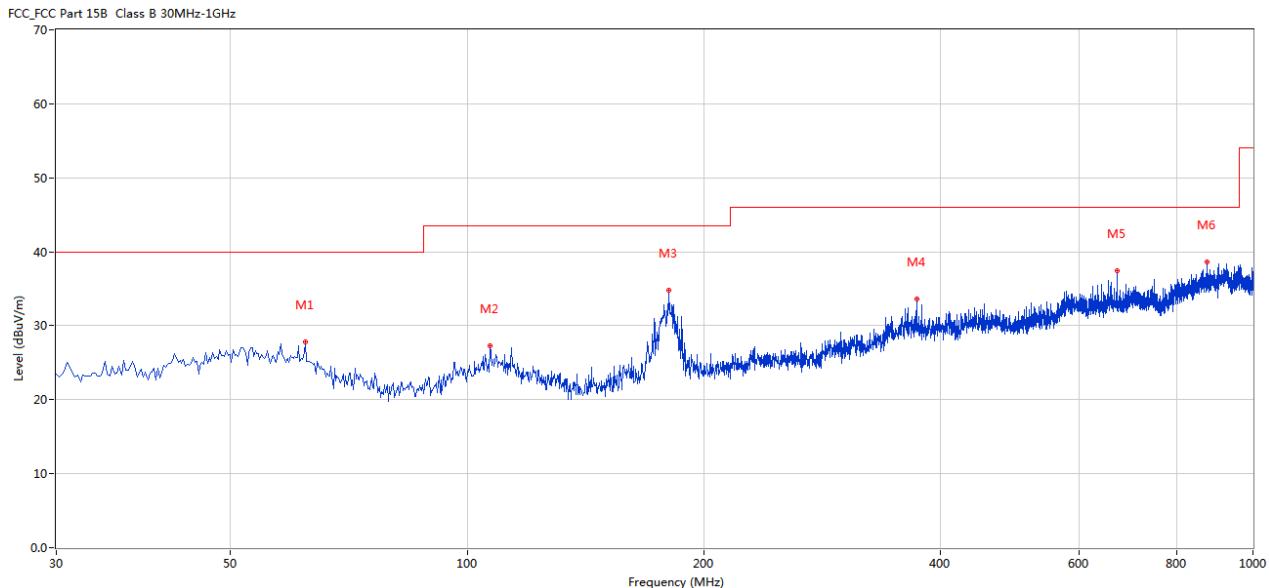


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	62.244	27.82	-5.60	40.0	12.18	Peak	259.00	100	Vertical	Pass
2	106.853	27.24	-6.12	43.5	16.26	Peak	304.00	100	Vertical	Pass
3	180.797	34.83	-7.86	43.5	8.67	Peak	114.00	100	Vertical	Pass
4	373.052	33.60	-1.87	46.0	12.40	Peak	99.00	100	Vertical	Pass
5	671.980	37.48	1.80	46.0	8.52	Peak	158.00	100	Vertical	Pass
6	875.144	38.67	4.96	46.0	7.33	Peak	109.00	100	Vertical	Pass

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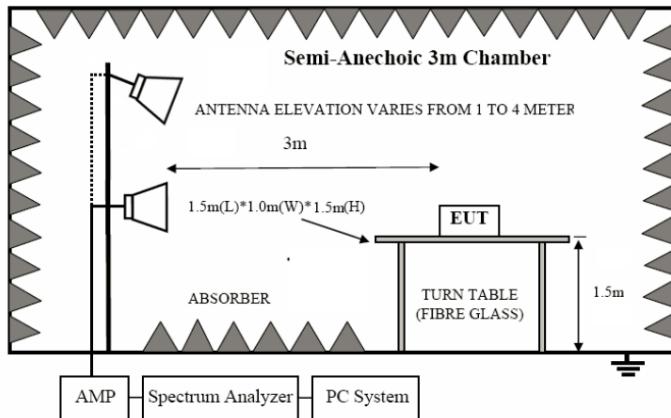


7. Band Edge

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.

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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	--	--

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level (dBuV/m)

Frequency (MHz)

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2401.917	90.13	-3.57	74.0	16.13	Peak	271.00	100	Horizontal	N/A
2	2400.042	66.64	-3.57	74.0	-7.36	Peak	271.00	100	Horizontal	Pass
2**	2400.042	51.44	-3.57	54.0	-2.56	AV	271.00	100	Horizontal	Pass
3	2390.040	38.97	-3.53	74.0	-35.03	Peak	265.00	100	Horizontal	Pass
4	2378.238	48.39	-3.49	74.0	-25.61	Peak	265.00	100	Horizontal	Pass
5	2388.540	45.57	-3.52	74.0	-28.43	Peak	265.00	100	Horizontal	Pass
6	2393.939	45.53	-3.55	74.0	-28.47	Peak	185.00	100	Horizontal	Pass

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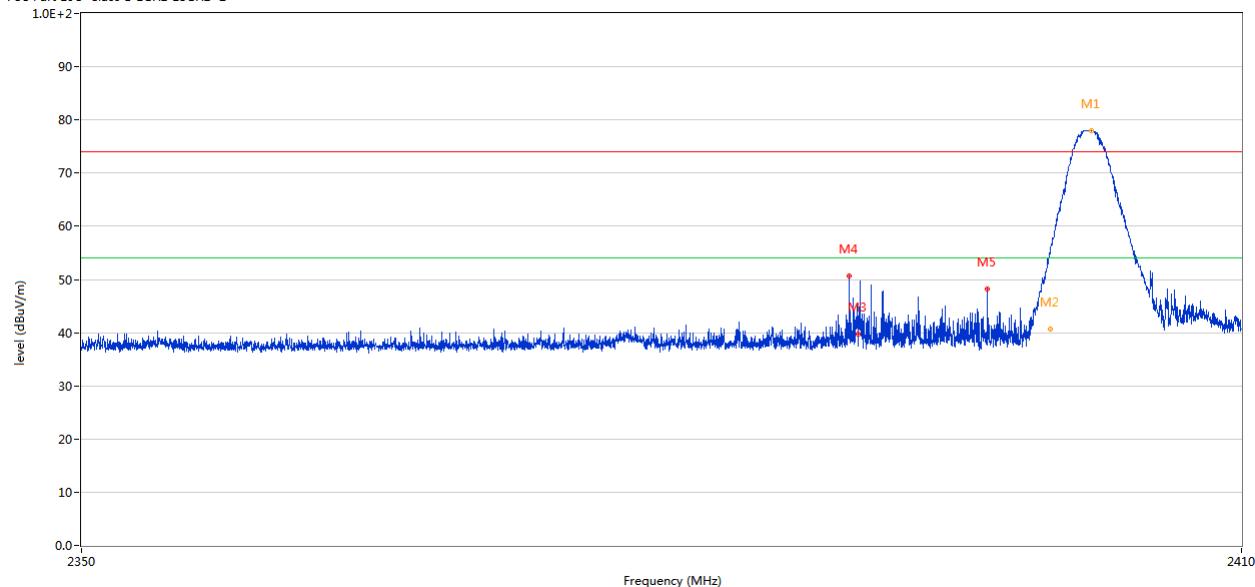
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Product:	wireless speaker	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--

FCC Part 15C Class B 1GHz-18GHz -2



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2402.157	78.03	-3.57	74.0	4.03	Peak	110.00	100	Vertical	N/A
2	2400.012	55.86	-3.57	74.0	-18.14	Peak	178.00	100	Vertical	Pass
2**	2400.012	40.65	-3.57	54.0	-13.35	AV	178.00	100	Vertical	Pass
3	2390.010	39.73	-3.53	74.0	-34.27	Peak	69.00	100	Vertical	Pass
4	2389.560	50.75	-3.53	74.0	-23.25	Peak	110.00	100	Vertical	Pass
5	2396.728	48.25	-3.56	74.0	-25.75	Peak	95.00	100	Vertical	Pass

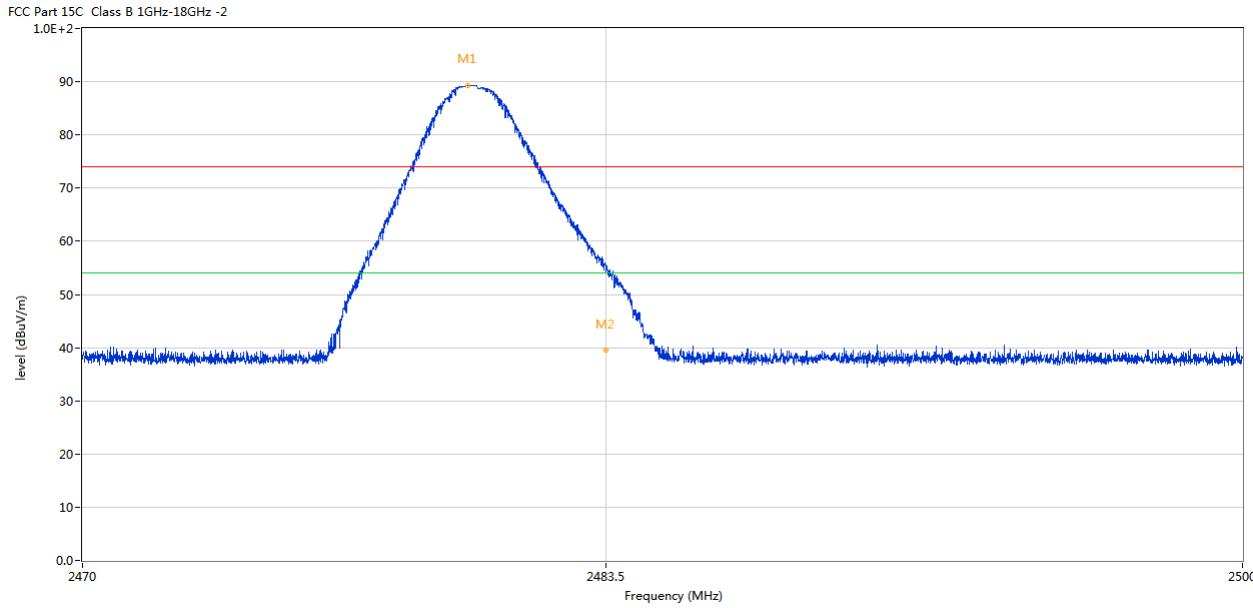
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Product:	wireless speaker	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2479.913	89.31	-3.57	74.0	15.31	Peak	264.00	100	Horizontal	N/A
2	2483.500	54.82	-3.57	74.0	-19.18	Peak	270.00	100	Horizontal	Pass
2**	2483.500	39.64	-3.57	54.0	-14.36	AV	270.00	100	Horizontal	Pass

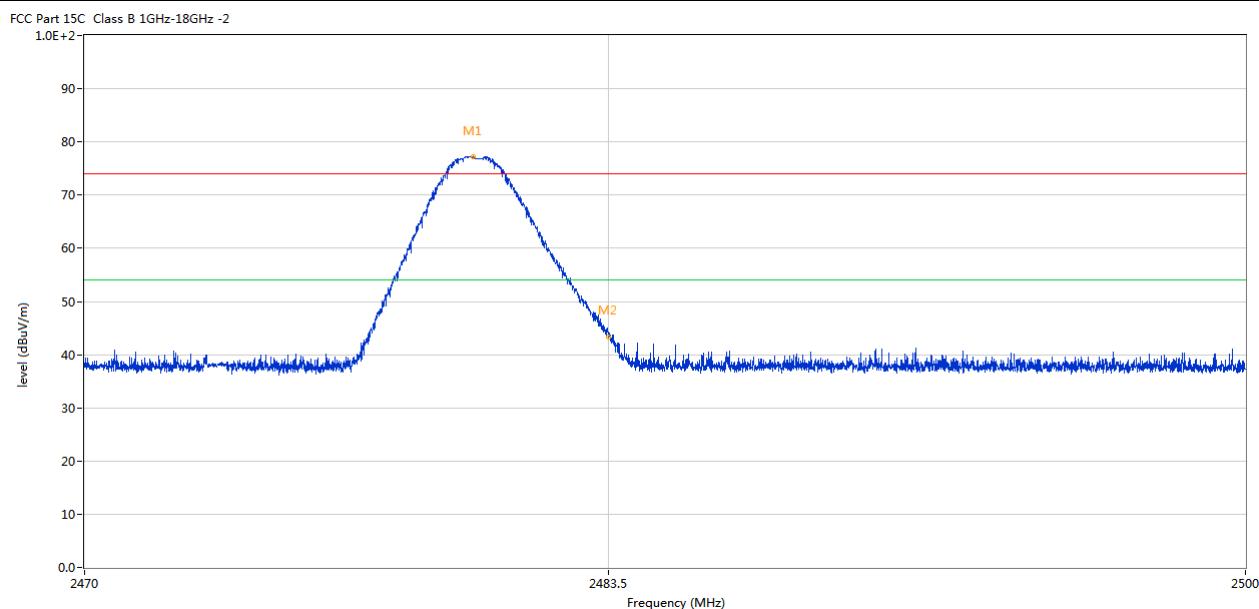
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Product:	wireless speaker	Detector	Vertical
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	--	--



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2480.010	77.21	-3.57	74.0	3.21	Peak	46.00	100	Vertical	N/A
2	2483.500	43.25	-3.57	74.0	-30.75	Peak	26.00	100	Vertical	Pass

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

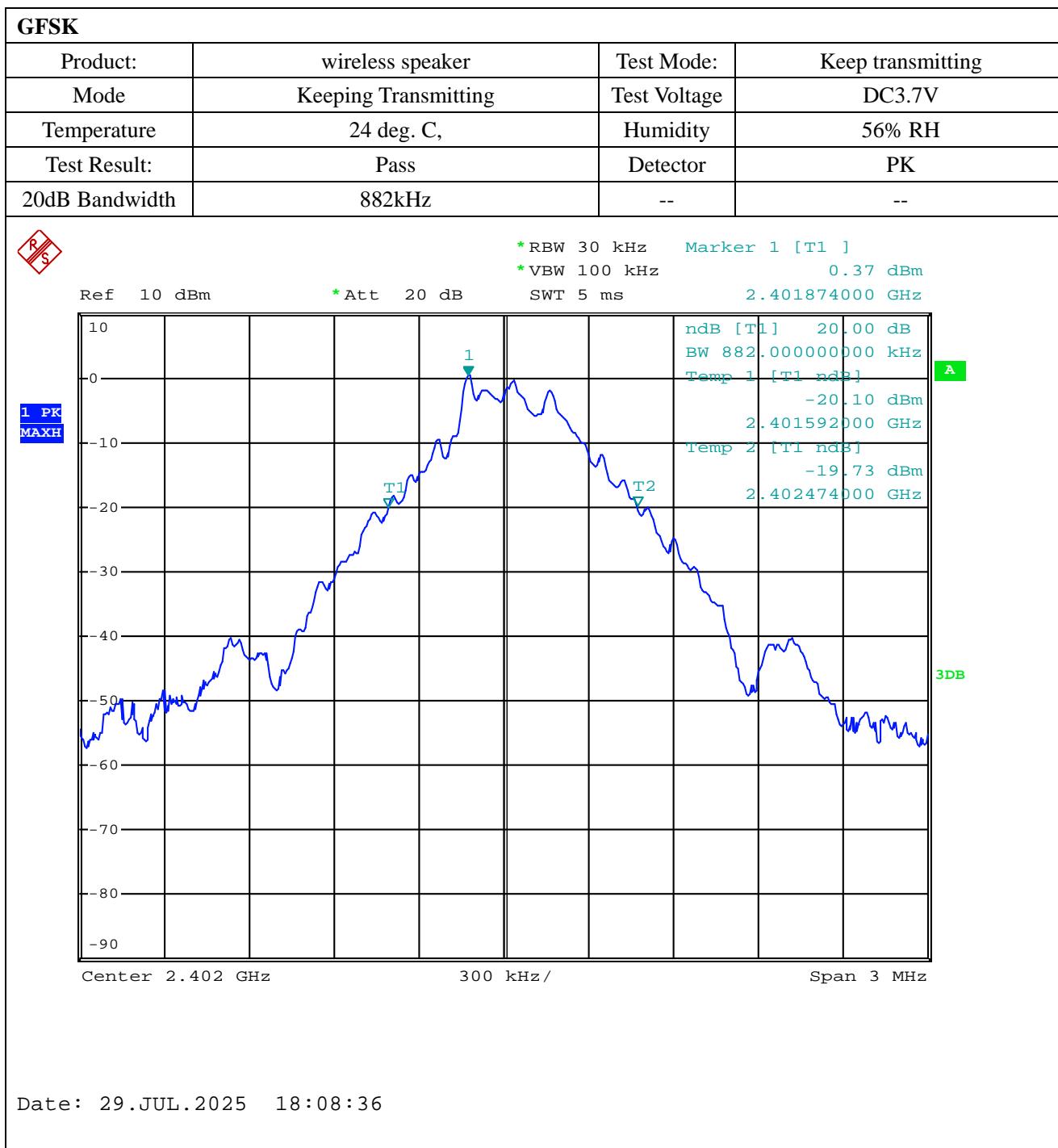
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Test Result



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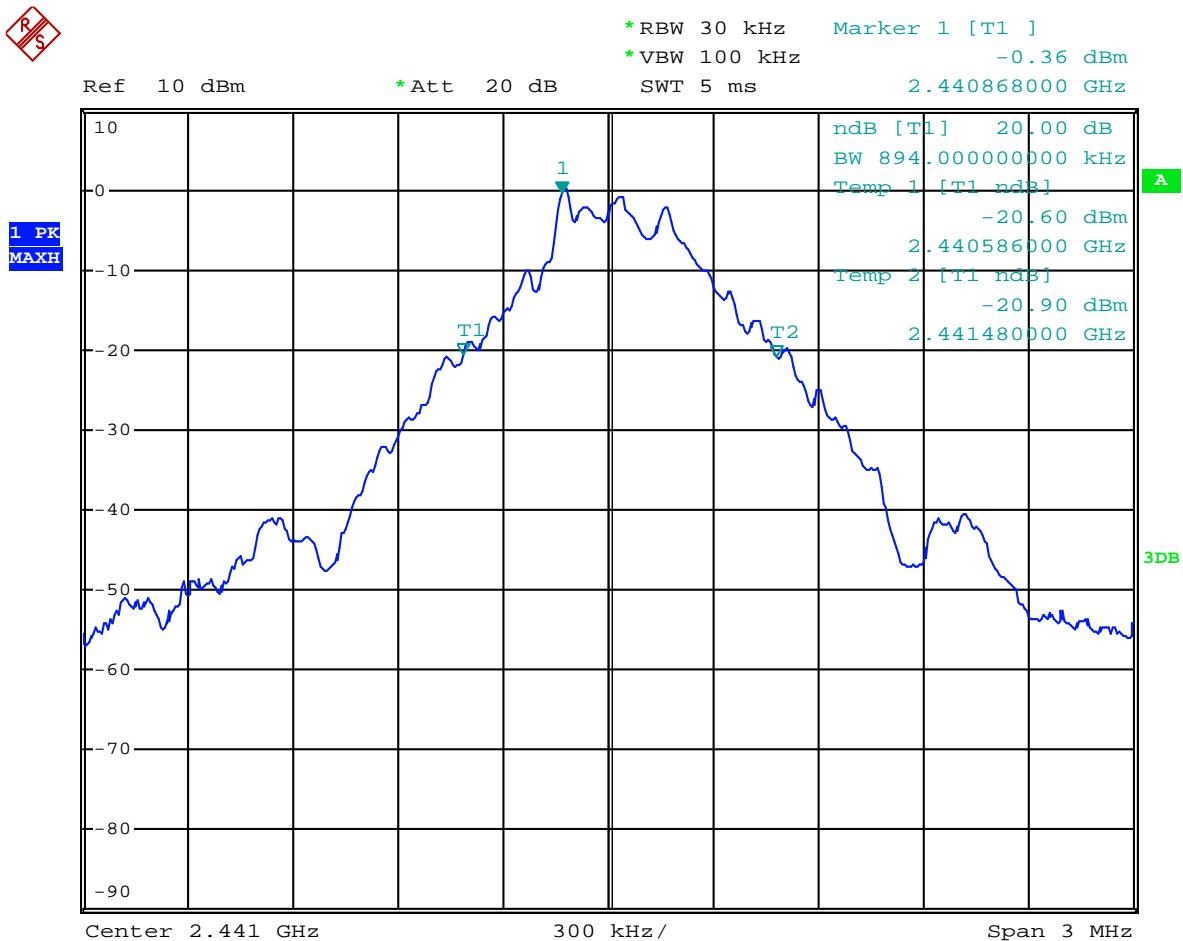
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GFSK

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	894kHz	--	--



Date: 29.JUL.2025 18:14:15

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

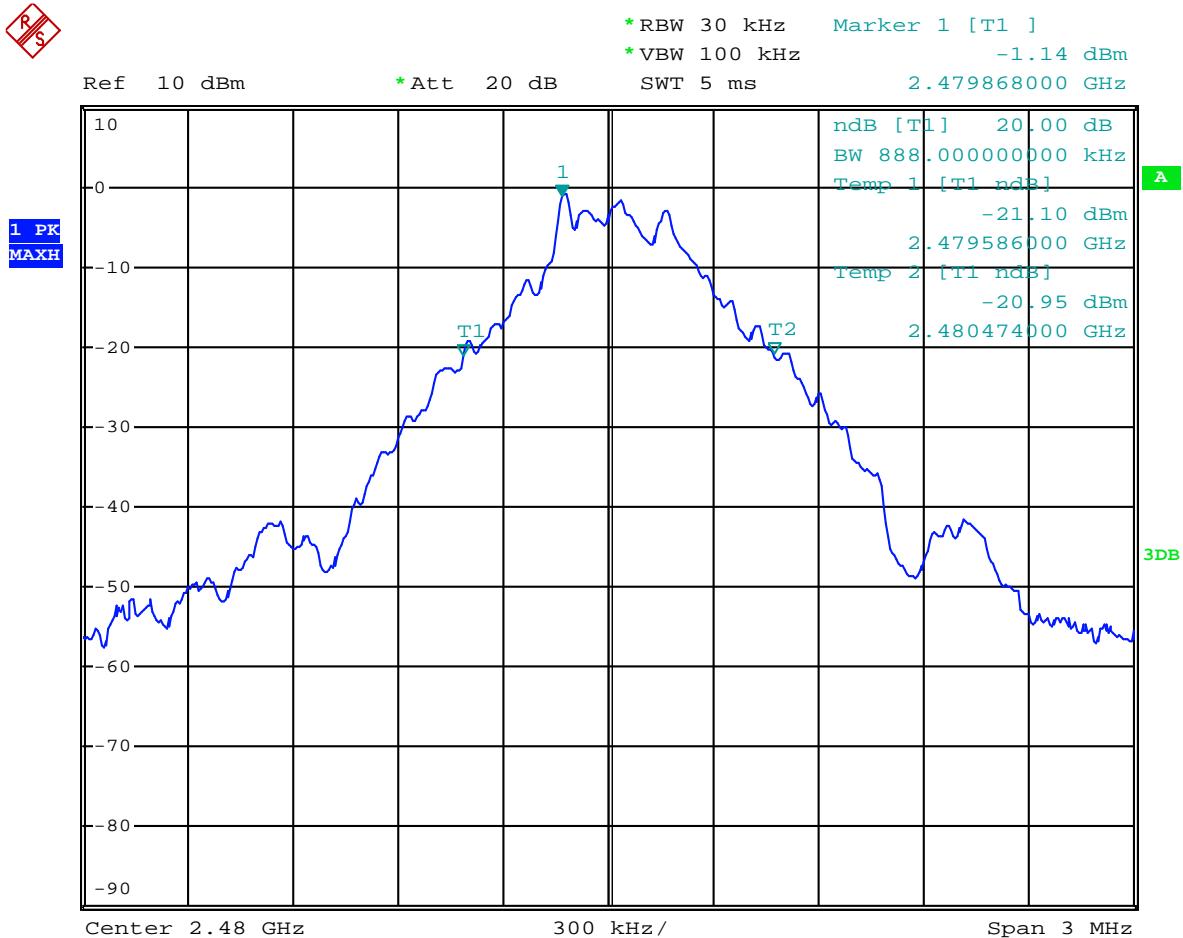
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GFSK

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	888kHz	--	--



Date: 29.JUL.2025 18:25:06

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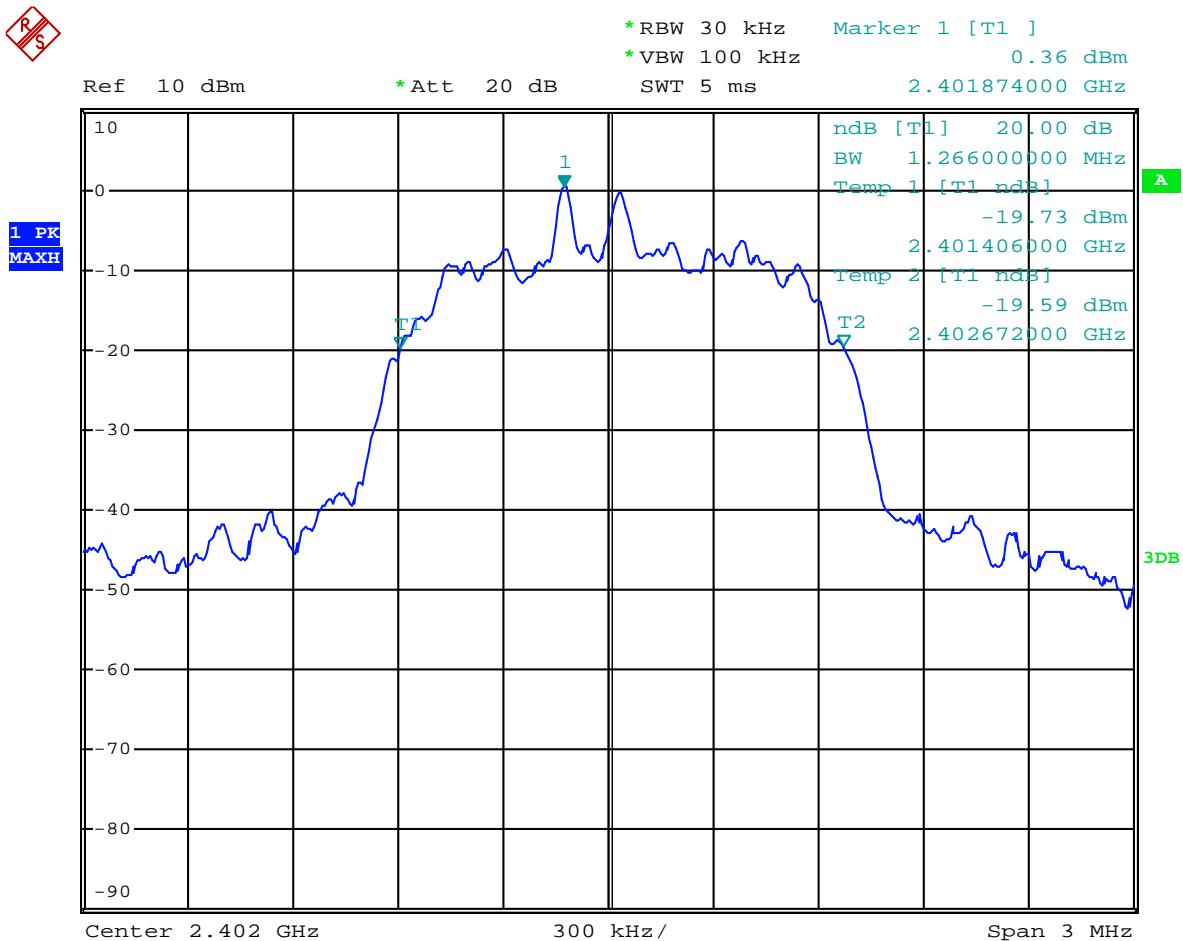
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Π/4DQPSK

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	1.266MHz	--	--

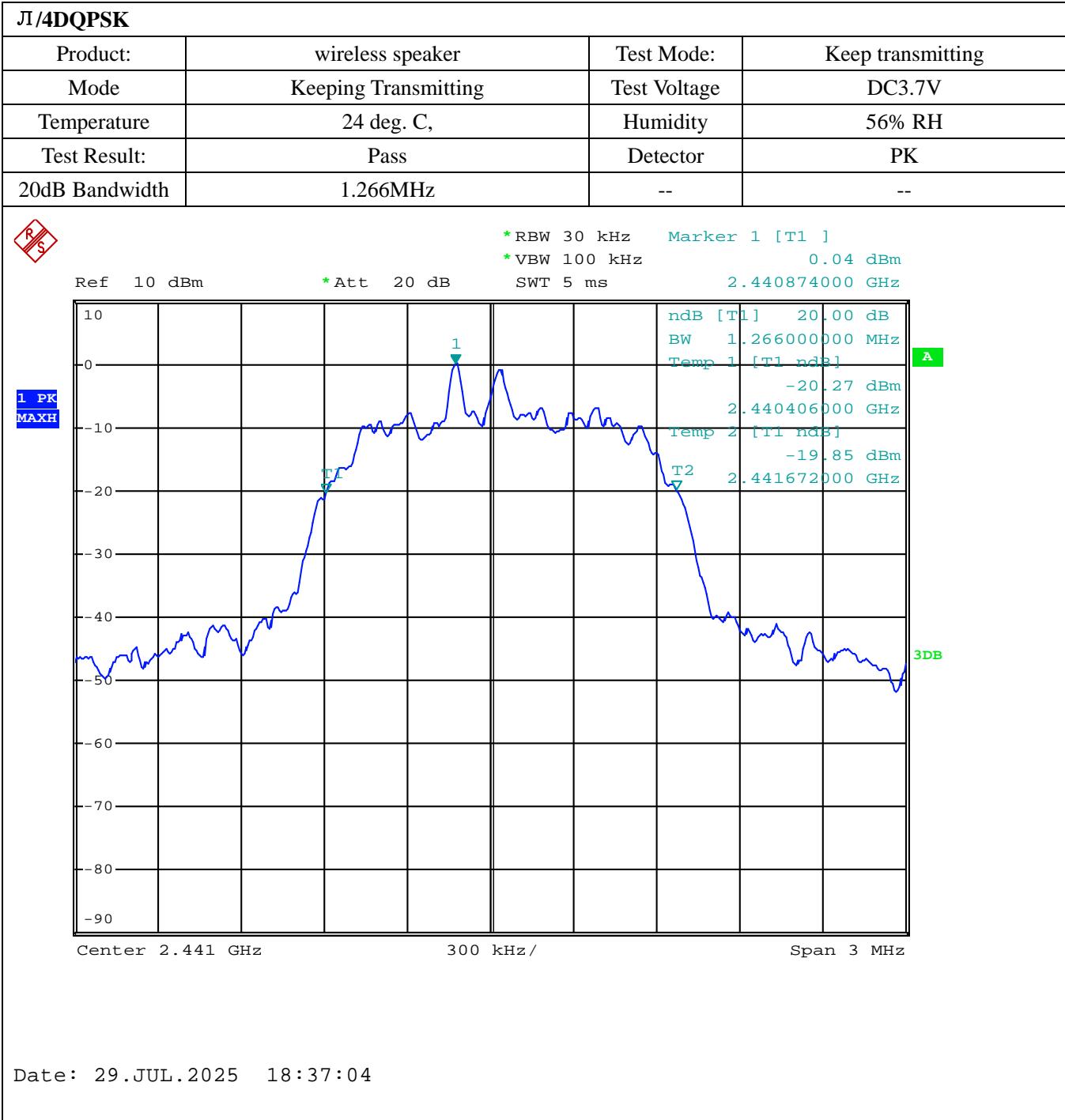


Date: 29.JUL.2025 18:39:19

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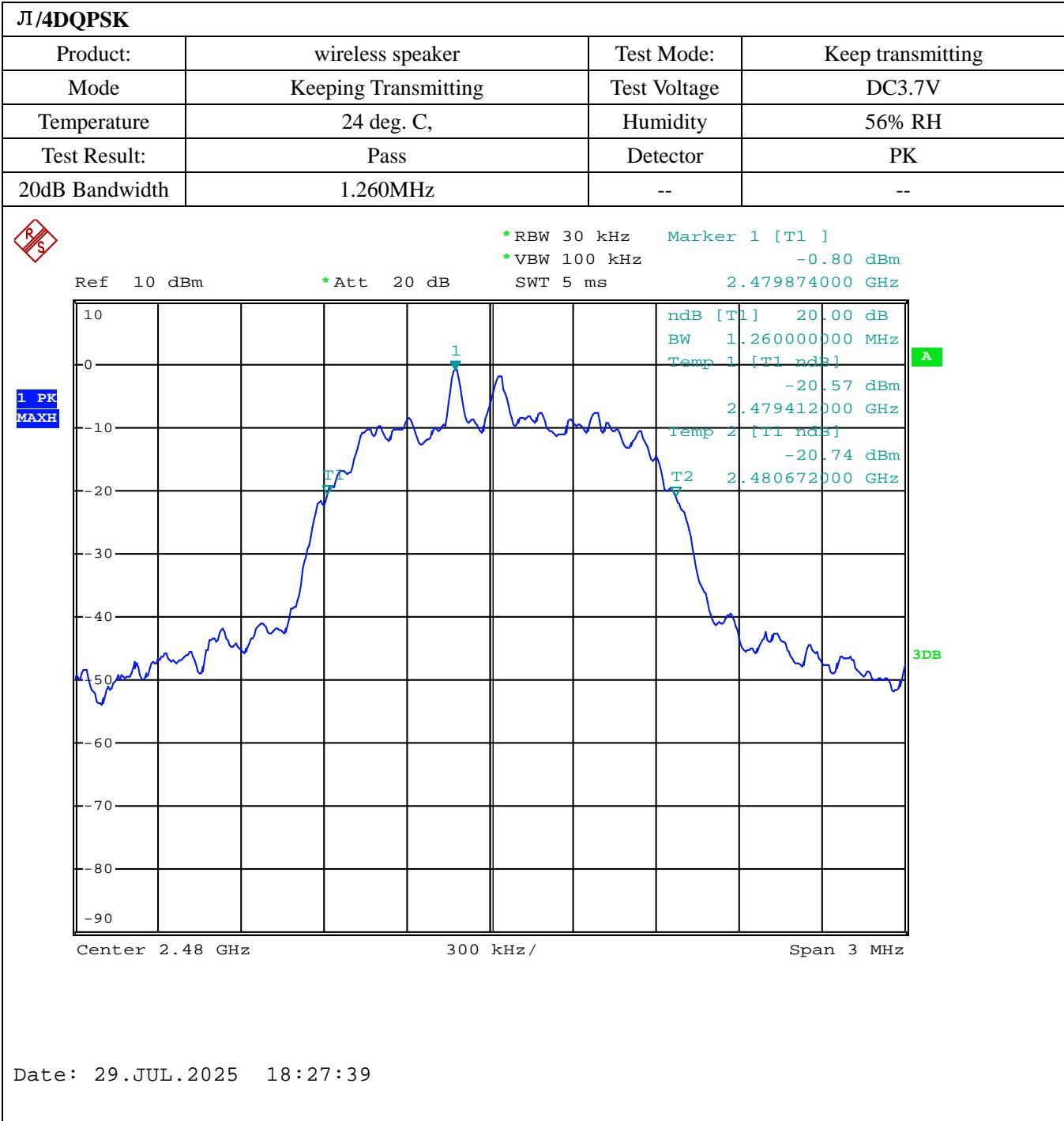
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10.0 FCC ID Label

FCC ID: 2AHN6-AUBS119

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.

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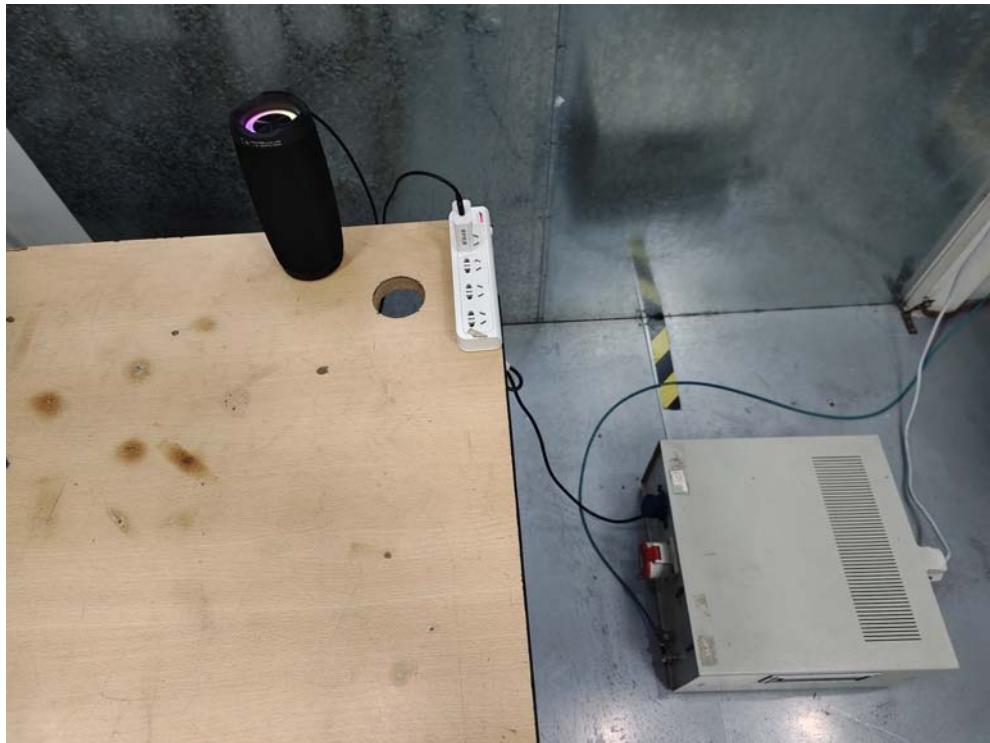
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11.0 Photo of testing

11.1 Conducted test View



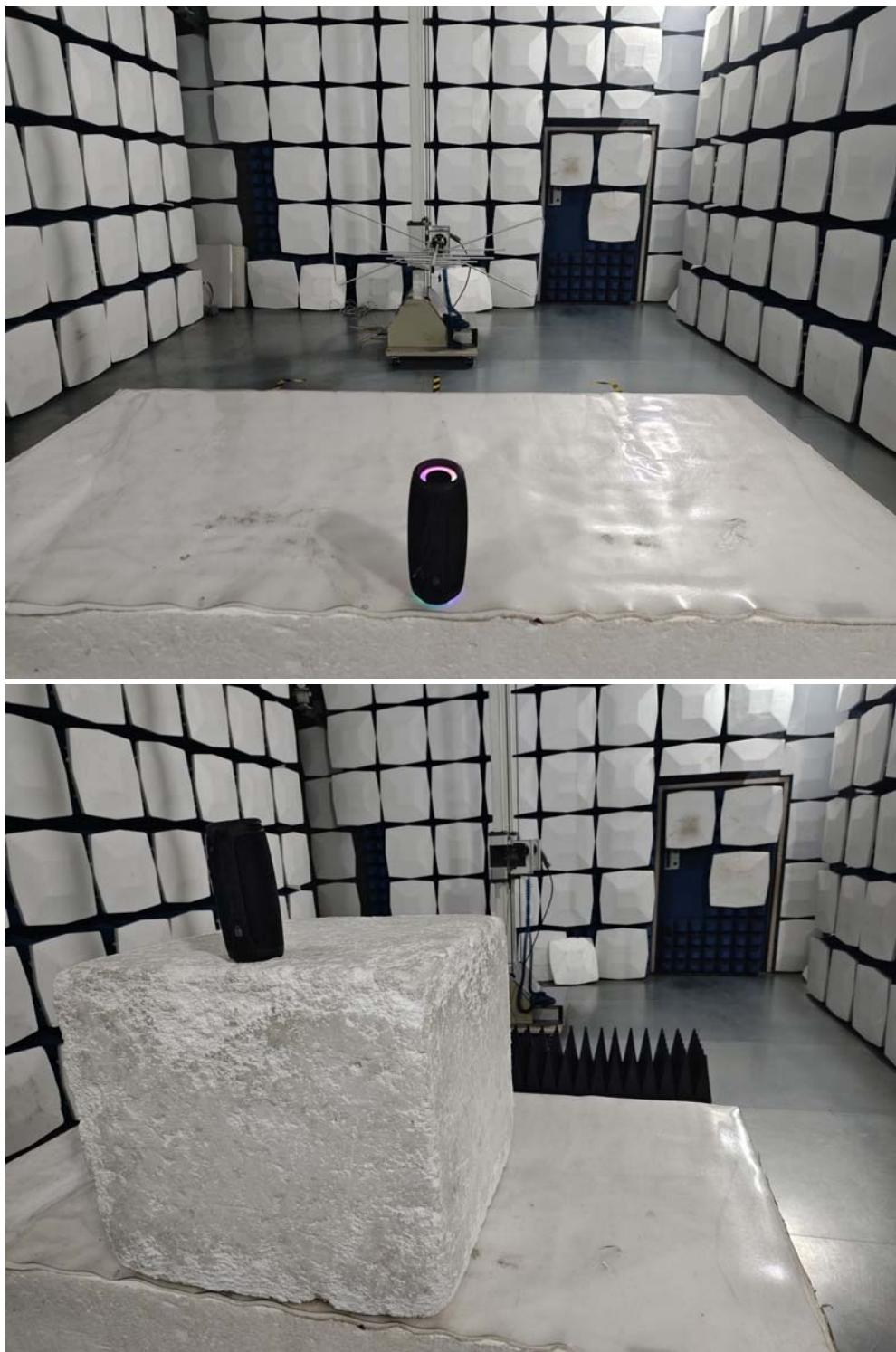
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Radiated emission test view



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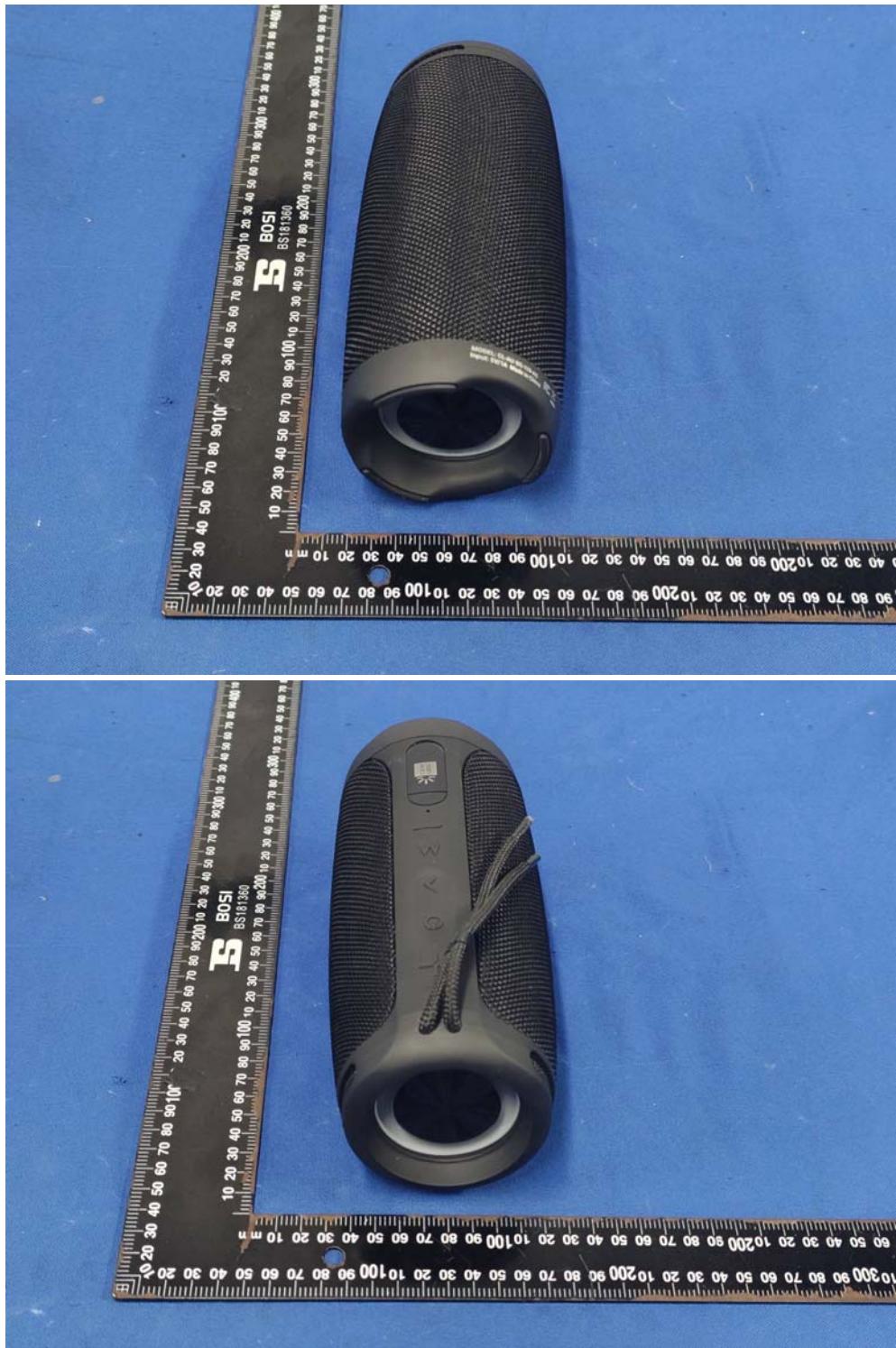
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11.2 Photographs – EUT

Outside View



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Outside View



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Outside View



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Inside View



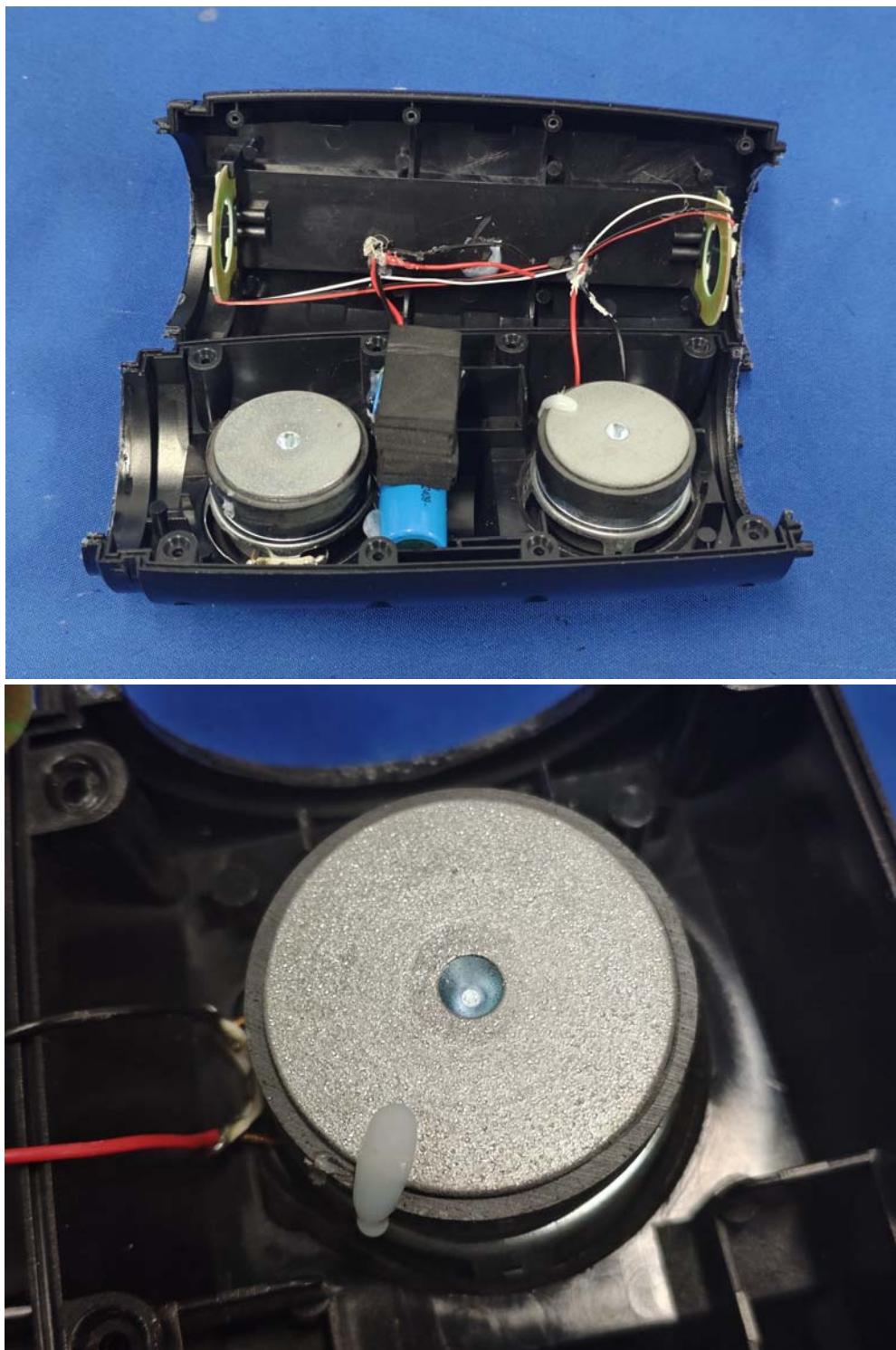
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Inside View



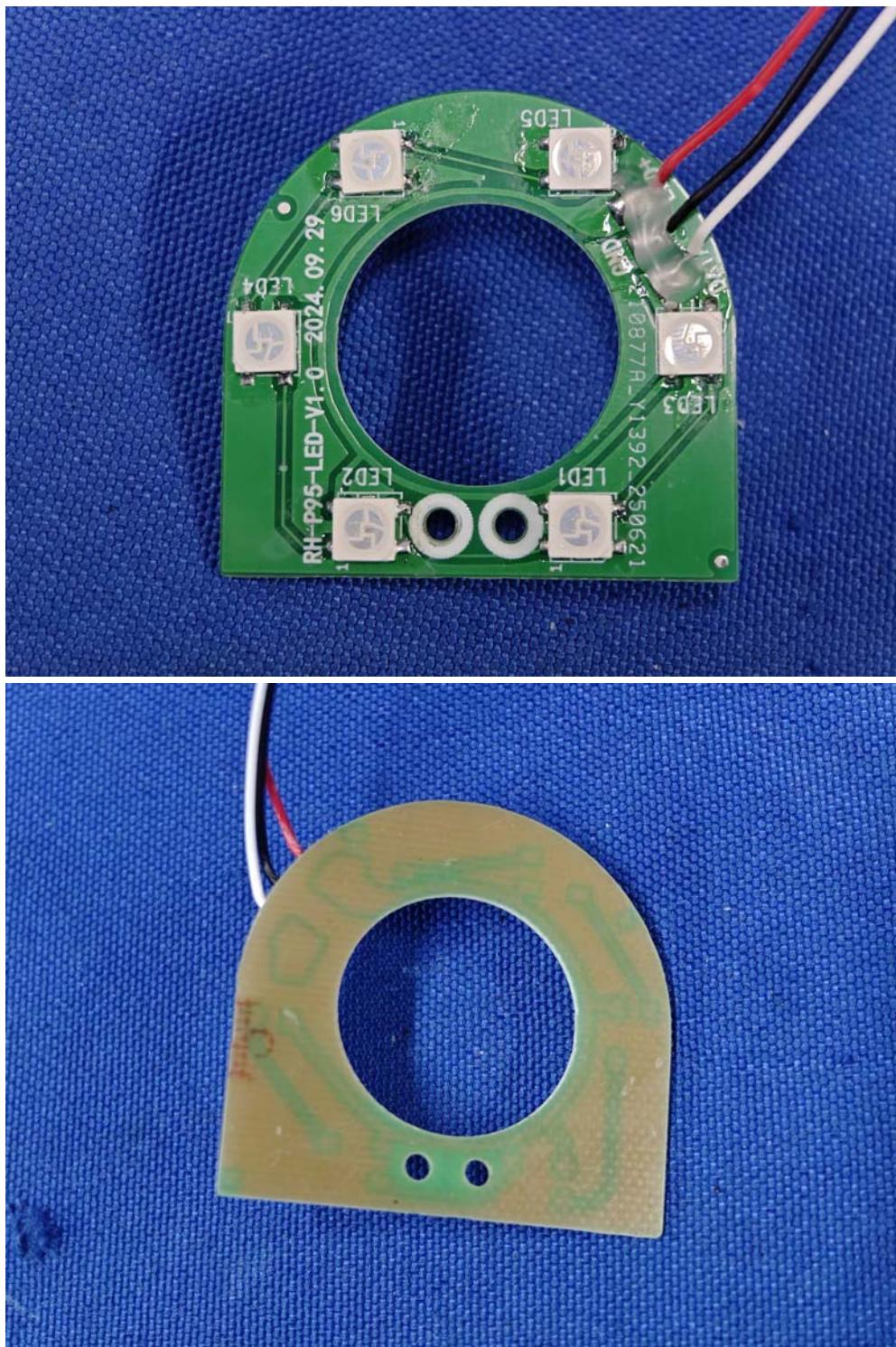
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Inside View



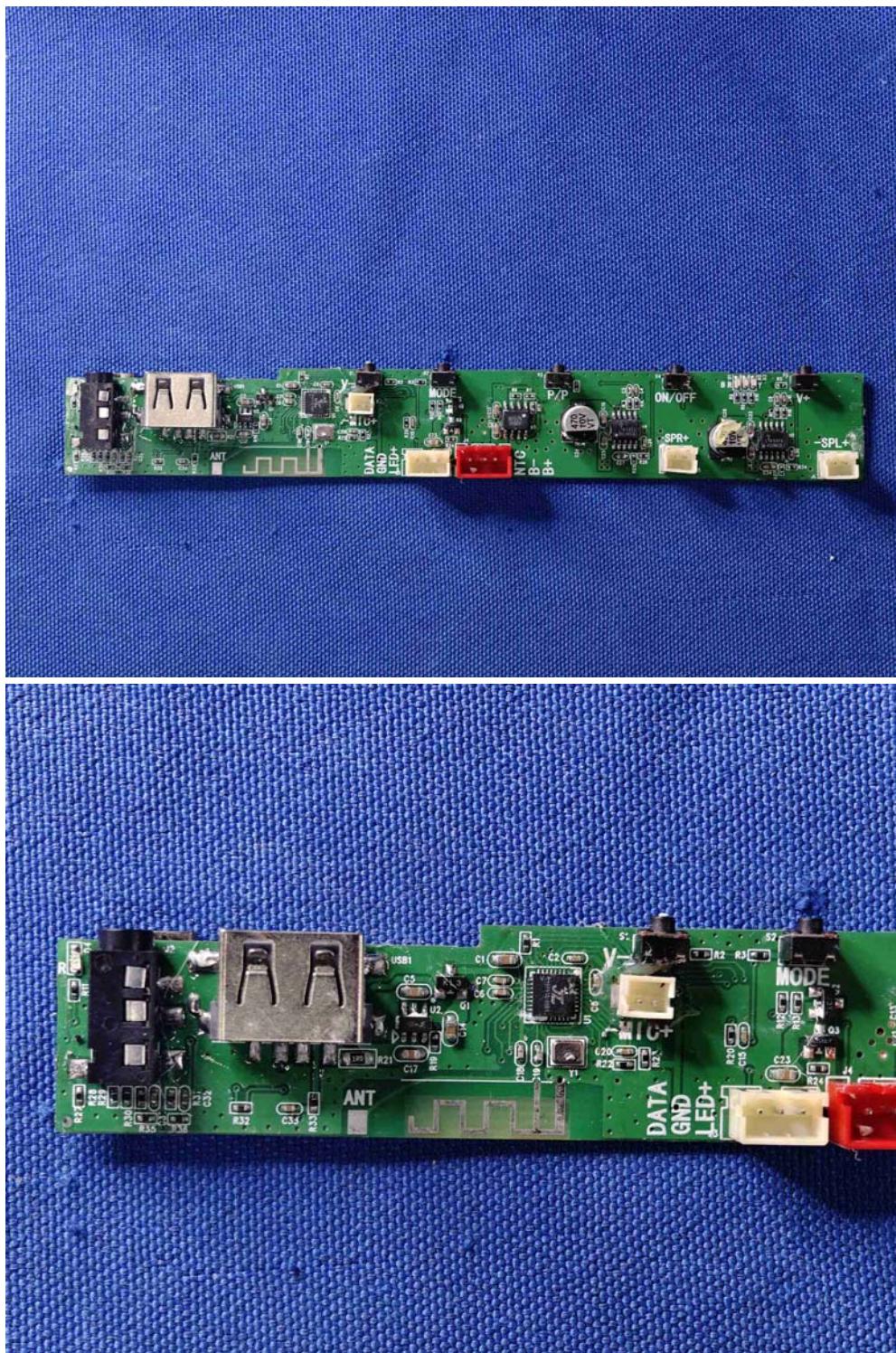
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Inside View



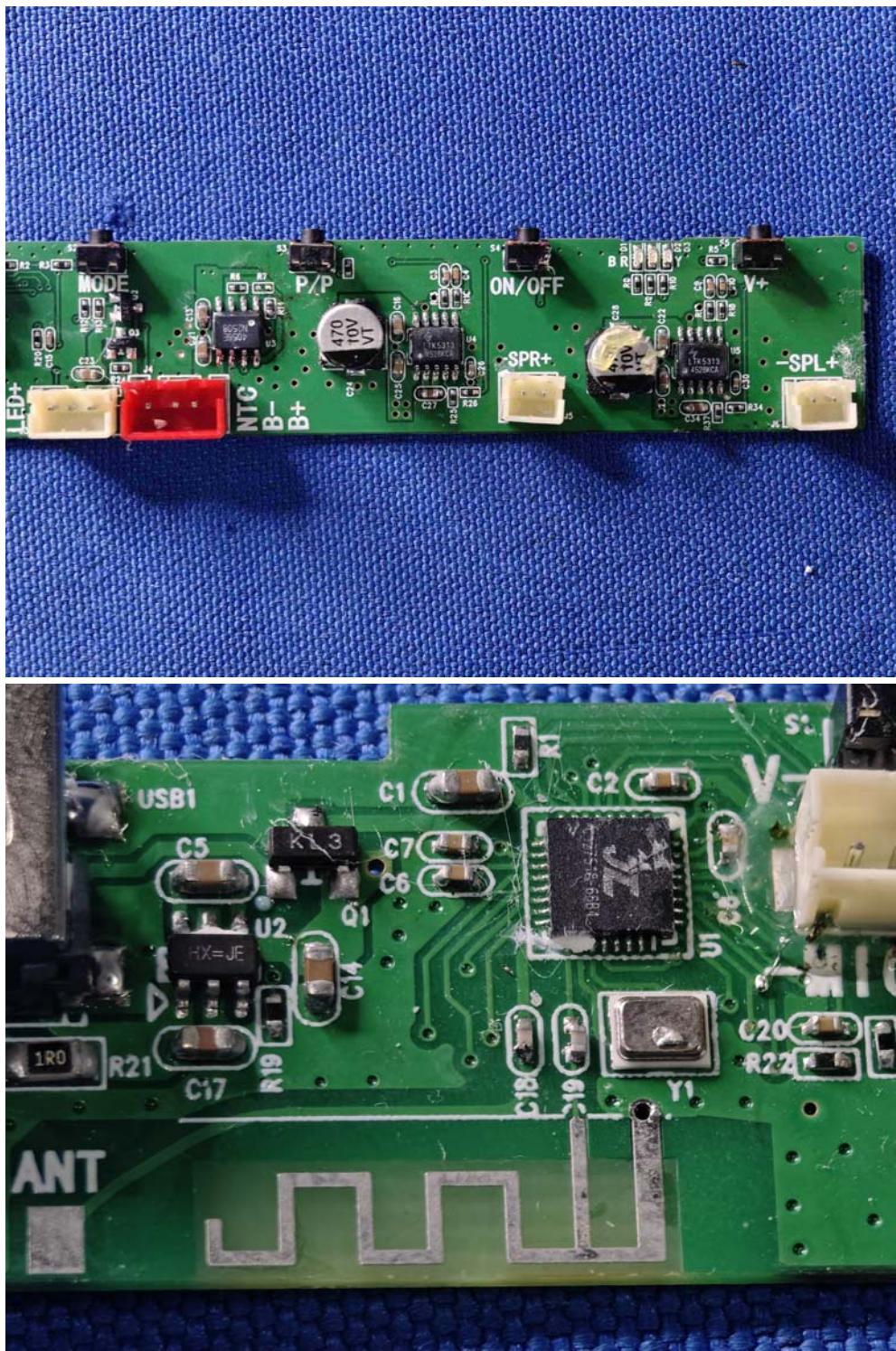
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Inside View



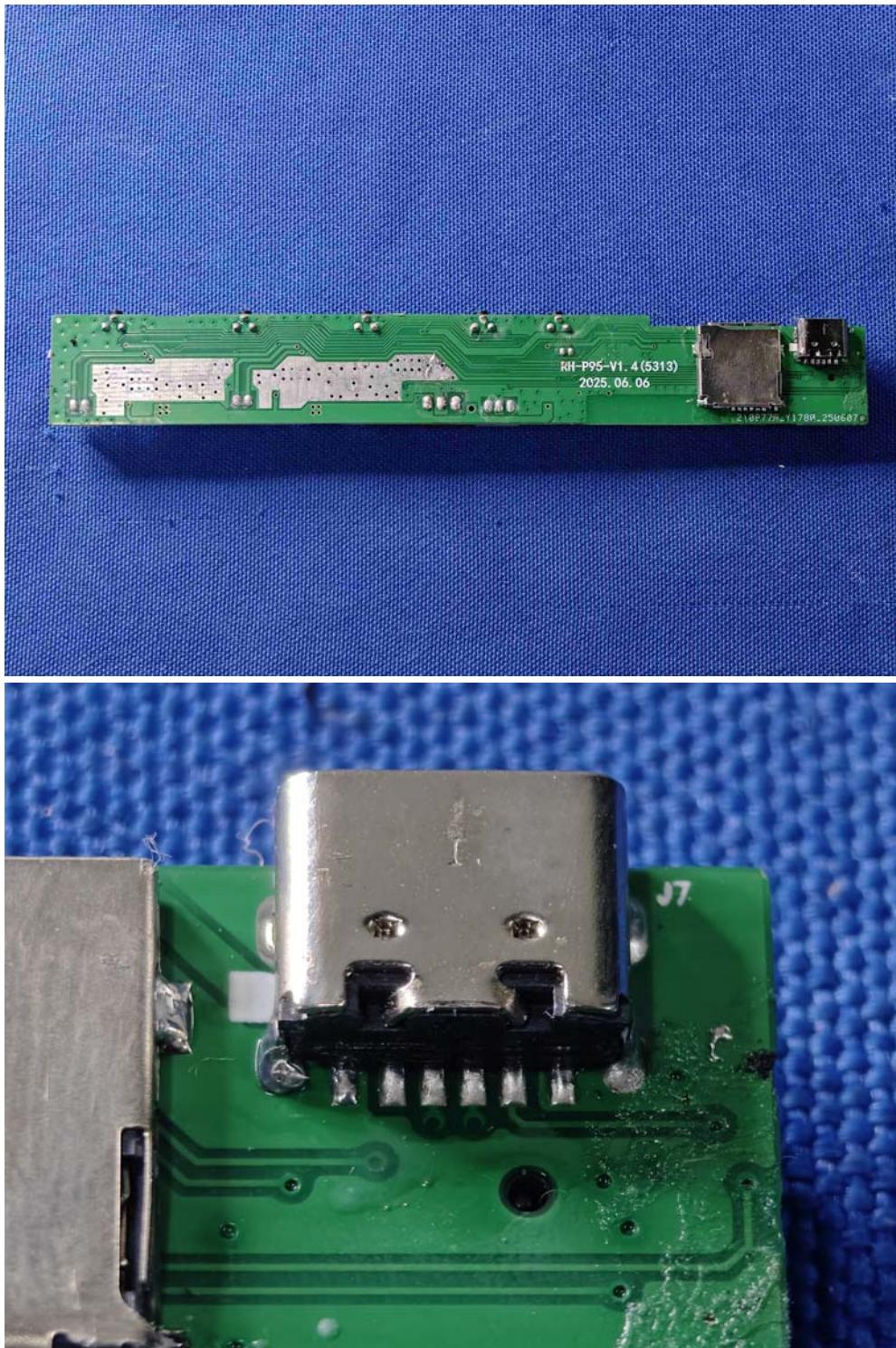
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Inside View



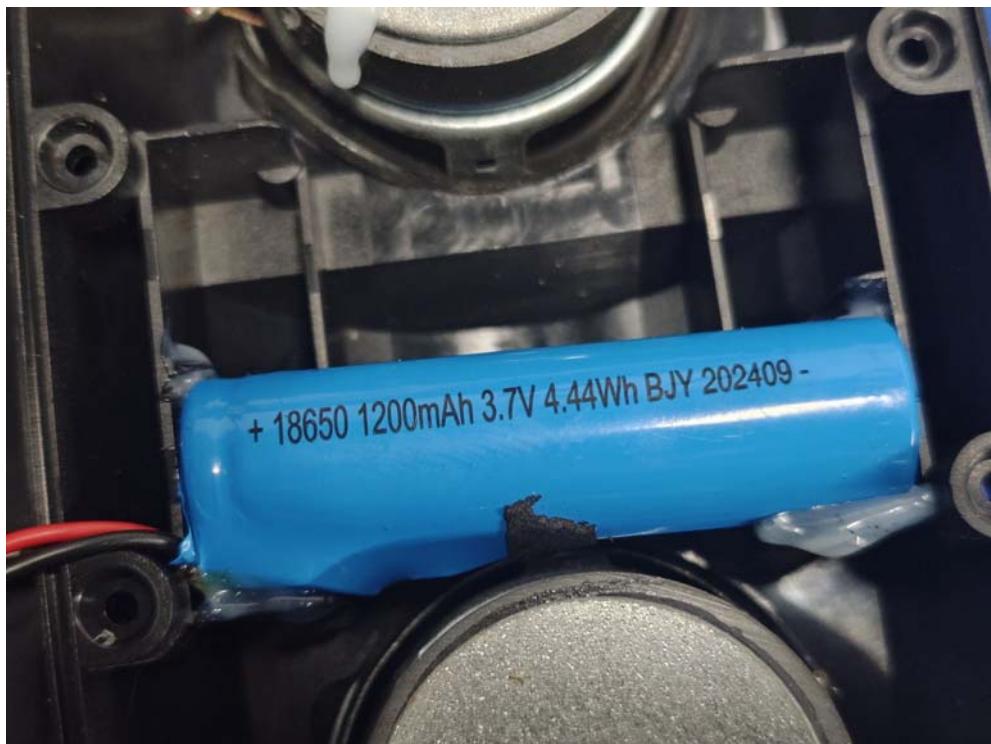
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Inside View



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