

Applicant: Shenzhen DaLiQi Technology Development Co., LTD

Product: Bluetooth Speaker

Model No.: DK01, DK02, DK03, DK04, DK05

Trademark: Polletti

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

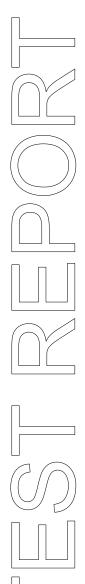
Dated: August 01, 2023

Results appearing herein relate only to the sample tested The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



Date: 2023-08-01



Page 2 of 50

Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2017 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

39

Report No.: TW2307253-01E

Date: 2023-08-01



Test Report Conclusion

Content 1.0 General Details..... 1.1 Test Lab Details. 1.2 Applicant Details.... 4 1.3 Description of EUT 4 1.4 Submitted Sample.... 4 Test Duration. 1.5 5 1.6 5 Test Uncertainty. 1.7 Test By..... 5 2.0 List of Measurement Equipment..... 7 3.0 Technical Details..... Summary of Test Results.... 7 3.1 3.2 7 Test Standards.... 4.0 7 EUT Modification.... Power Line Conducted Emission Test.... 5.0 8 Schematics of the Test..... 5.1 8 5.2 Test Method and Test Procedure.... 8 5.3 Configuration of the EUT..... 5.4 EUT Operating Condition. 5.5 Conducted Emission Limit. 9 5.6 Test Result. 6.0 Radiated Emission test.... 12 Test Method and Test Procedure. 6.1 12 6.2 Configuration of the EUT..... 13 EUT Operation Condition. 6.3 13 6.4 Radiated Emission Limit. 13 6.5 Test Result. 15 7.0 Band Edge.... 23 7.1 Test Method and Test Procedure. 23 7.2 Radiated Test Setup. 23 7.3 Configuration of the EUT.... 23 7.4 EUT Operating Condition. 23 7.5 Band Edge Limit..... 23 7.6 Band Edge Test Result. 24 8.0 Antenna Requirement. 28 20dB bandwidth measurement.... 9.0 29 10.0 38 FCC ID Label.

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

11.0

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

Photo of Test Setup and EUT View....

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Date: 2023-08-01



Page 4 of 50

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 DaLiQi Technology Development Co., LTD

Address: Room 502, Huafeng Xin'an Business Building, 45th Area, Bao'an District, Shenzhen

Telephone: 15625294047

Fax: --

1.3 Description of EUT

Product: Bluetooth Speaker

Manufacturer: Guangdong Samzuk Technology Co.,Ltd

Address: 2/F Ming Huang Electric Park 3rd Science Road Hi Tech Zone Heyuan City

Guangdong China

Trademark: Pollowith

Model Number: DK01

Additional Model Name DK02, DK03, DK04, DK05

Rating: DC18V, 1.66A

Power Supply: Model: DYS830-180166W-1

Input: 100-240V~, 50/60Hz, 0.8A MAX; Output: DC18V, 1.66A

Modulation Type: GFSK, Л/4DQPSK, 8DPSK for Bluetooth

Operation Frequency: 2402-2480MHz

Channel Number: 79
Channel Separation: 1MHz
Hardware Version: 1.0
Software Version: 1.0

Serial No.: DK01YYMMDD

Antenna Designation PCB antenna with gain 2.85dBi Max (Get from the antenna specification)

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Date: 2023-08-01



Page 5 of 50

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2023-07-15 to 2023-08-01

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

Page 6 of 50 Report No.: TW2307253-01E

Date: 2023-08-01



2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100253	2023-07-14	2024-07-13
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2023-07-14	2024-07-13
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2023-07-14	2024-07-13
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2024-07-17
Power meter	Anritsu	ML2487A	6K00003613	2023-07-14	2024-07-13
Power sensor	Anritsu	MA2491A	32263	2023-07-14	2024-07-13
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2023-07-14	2024-07-13
EMI Test Receiver	RS	ESCS 30	834115/006	2023-07-14	2024-07-13
Spectrum	HP/Agilent	E4407B	MY50441392	2023-07-14	2024-07-13
Spectrum	RS	FSP	1164.4391.38	2023-07-14	2024-07-13
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA		2023-07-14	2024-07-13
RF Cable	Zhengdi	7m		2023-07-14	2024-07-13
Pre-Amplifier	Schwarebeck	BBV9743	#218	2023-07-14	2024-07-13
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2023-07-14	2024-07-13
LISN	SCHAFFNER	NNB42	00012	2023-07-14	2024-07-13
ESPI Test Receiver	R&S	ESPI 3	100379	2023-07-14	2024-07-13
LISN	R&S	EZH3-Z5	100294	2023-07-14	2024-07-13

2.2 Automation Test Software

For Conducted Emission Test

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

For Radiated Emissions

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

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 7 of 50 Report No.: TW2307253-01E

Date: 2023-08-01



Technical Details 3.0

3.1 **Summary of test results**

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies

3.2 **Test Standards**

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4:2014 and ANSI C63.10:2013

4.0 **EUT Modification**

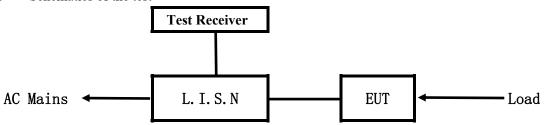
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

Date: 2023-08-01



5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

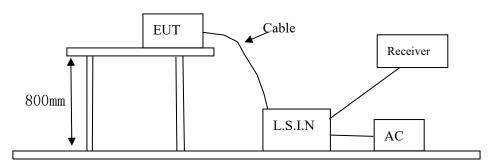


EUT: Equipment Under Test

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
Diverse of h. Conselver	Guangdong Samzuk	DK01, DK02, DK03, DK04,	2BCCY-DK01
Bluetooth Speaker	Technology Co.,Ltd	DK05	ZBCC Y-DKUI

Date: 2023-08-01



Page 9 of 50

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

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:

Report No.: TW2307253-01E Page 10 of 50

Date: 2023-08-01



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

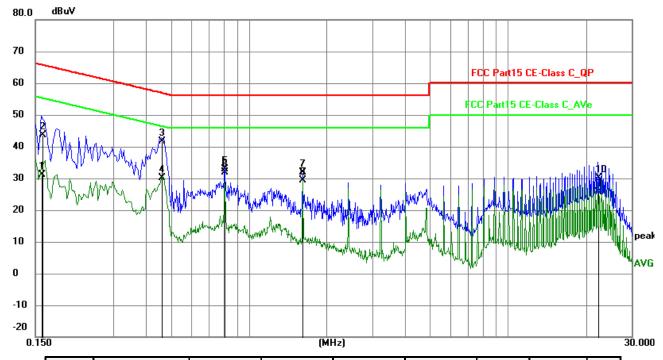
EUT Operating Environment

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	0.1590	21.24	9.78	31.02	55.52	-24.50	AVG	Р
2	0.1600	33.92	9.78	43.70	65.46	-21.76	QP	Р
3	0.4610	31.87	9.77	41.64	56.67	-15.03	QP	Р
4	0.4610	20.33	9.77	30.10	46.67	-16.57	AVG	Р
5	0.8070	23.00	9.78	32.78	56.00	-23.22	QP	Р
6	0.8070	22.05	9.78	31.83	46.00	-14.17	AVG	Р
7	1.6170	21.96	9.80	31.76	56.00	-24.24	QP	Р
8	1.6170	19.60	9.80	29.40	46.00	-16.60	AVG	Р
9	22.2250	14.85	10.82	25.67	50.00	-24.33	AVG	Р
10	22.2400	19.20	10.82	30.02	60.00	-29.98	QP	Р

Report No.: TW2307253-01E Page 11 of 50

Date: 2023-08-01



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

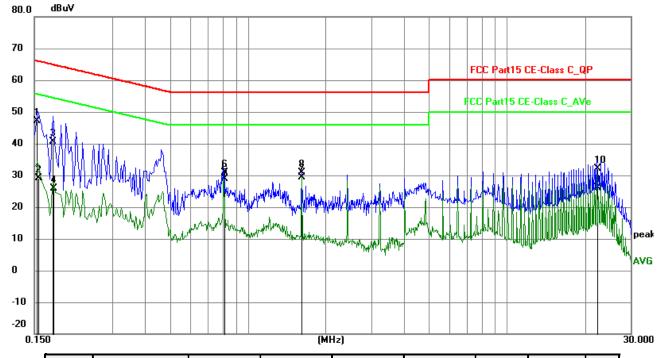
EUT Operating Environment

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	0.1539	37.42	9.78	47.20	65.79	-18.59	QP	Р
2	0.1550	19.31	9.78	29.09	55.73	-26.64	AVG	Р
3	0.1760	30.80	9.77	40.57	64.67	-24.10	QP	Р
4	0.1780	16.18	9.77	25.95	54.58	-28.63	AVG	Р
5	0.8100	19.12	9.78	28.90	46.00	-17.10	AVG	Р
6	0.8110	21.20	9.78	30.98	56.00	-25.02	QP	Р
7	1.6160	19.70	9.80	29.50	46.00	-16.50	AVG	Р
8	1.6180	21.08	9.80	30.88	56.00	-25.12	QP	Р
9	22.2190	15.33	10.82	26.15	50.00	-23.85	AVG	Р
10	22.2300	21.37	10.82	32.19	60.00	-27.81	QP	Р

Report No.: TW2307253-01E Page 12 of 50

Date: 2023-08-01

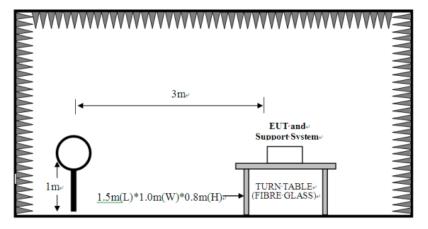


6 Radiated Emission Test

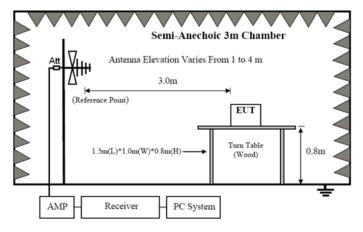
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size 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 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (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



For radiated emissions from 30MHz to1GHz



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

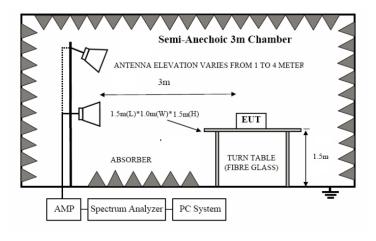
Page 13 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



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)			Field S	trength of Harmo	onics (3m)
(MHz)	mV/m	dBuV/m		uV/m	dBu	V/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.

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

Report No.: TW2307253-01E Page 14 of 50

Date: 2023-08-01



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 three modulation modes of GFSK, Pi/4D-QPSK and 8DPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

Report No.: TW2307253-01E Page 15 of 50

Date: 2023-08-01

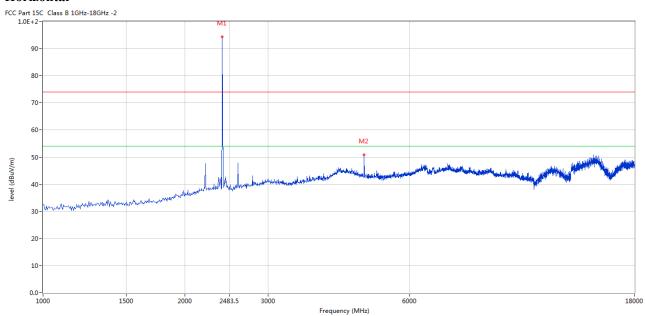


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



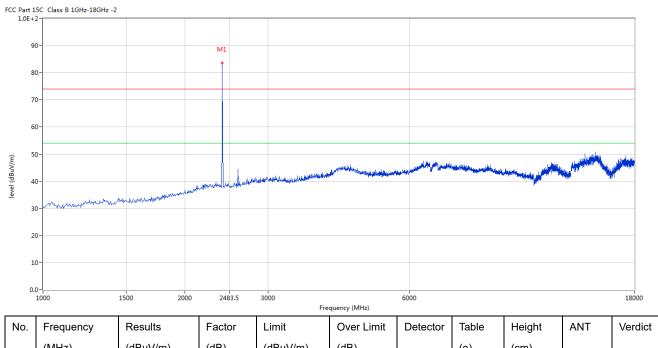
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402	94.63	-3.57	114.0	-19.37	Peak	93.00	100	Horizontal	Pass
1*	2402	85.12	-3.57	94.0	-8.88	AV	93.00	100	Horizontal	Pass
2	4802.799	50.94	3.12	74.0	-23.06	Peak	282.00	100	Horizontal	Pass

Report No.: TW2307253-01E Page 16 of 50

Date: 2023-08-01



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	83.75	-3.57	114.0	-30.25	Peak	176.00	100	Vertical	Pass

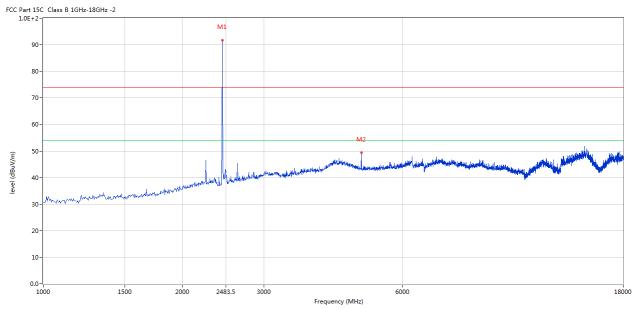
Report No.: TW2307253-01E Page 17 of 50

Date: 2023-08-01



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

Horizontal



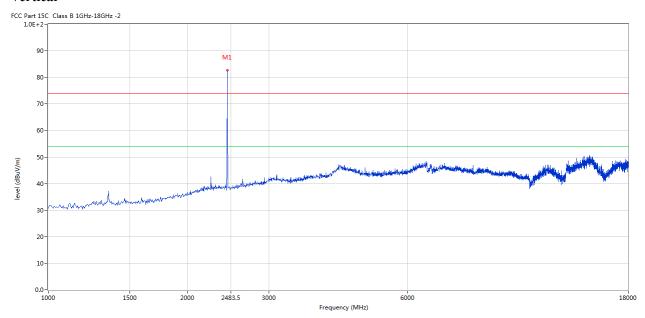
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	91.75	-3.57	114.0	-22.25	Peak	239.00	100	Horizontal	Pass
2	4879.280	50.43	3.20	74.0	-23.57	Peak	87.00	100	Horizontal	Pass

Report No.: TW2307253-01E Page 18 of 50

Date: 2023-08-01



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	82.64	-3.57	114.0	-31.36	Peak	195.00	100	Vertical	Pass

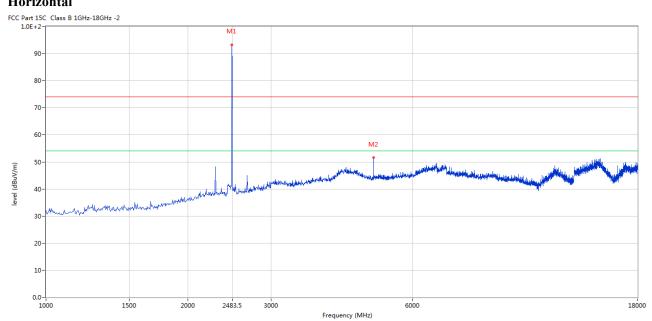
Page 19 of 50 Report No.: TW2307253-01E

Date: 2023-08-01



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)		(0)	(cm)		
1	2480	93.25	-3.57	114.0	-20.75	Peak	131.00	100	Horizontal	Pass
2	4960.010	51.58	3.36	74.0	-22.42	Peak	88.00	100	Horizontal	Pass

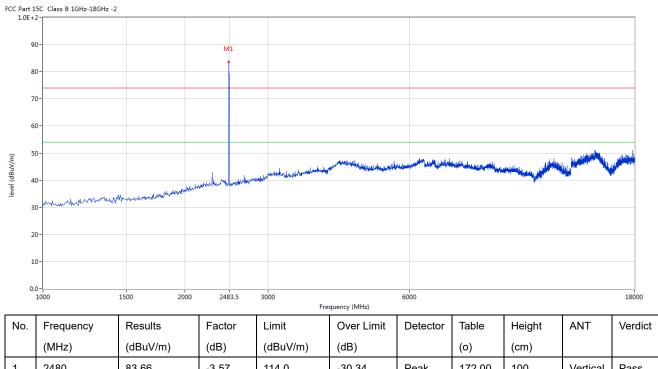
Page 20 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



Vertical



83.66 -3.57 114.0 -30.34 172.00 2480 Peak 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.

Report No.: TW2307253-01E Page 21 of 50

Date: 2023-08-01

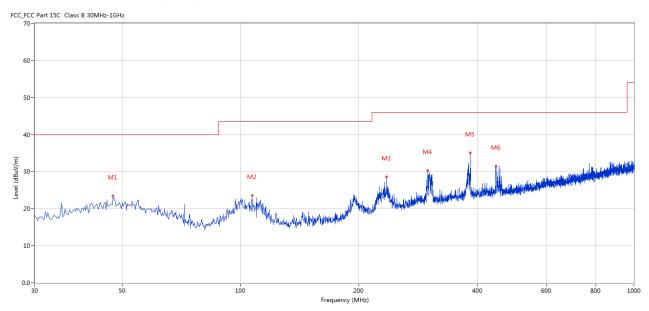


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	47.456	23.45	-11.38	40.0	16.55	Peak	5.00	100	Horizontal	Pass
2	107.096	23.59	-13.39	43.5	19.91	Peak	360.00	100	Horizontal	Pass
3	235.346	28.56	-12.51	46.0	17.44	Peak	138.00	100	Horizontal	Pass
4	299.108	30.38	-11.08	46.0	15.62	Peak	181.00	100	Horizontal	Pass
5	383.962	35.03	-9.16	46.0	10.97	Peak	308.00	100	Horizontal	Pass
6	446.026	31.48	-8.04	46.0	14.52	Peak	235.00	100	Horizontal	Pass

Report No.: TW2307253-01E Page 22 of 50

Date: 2023-08-01

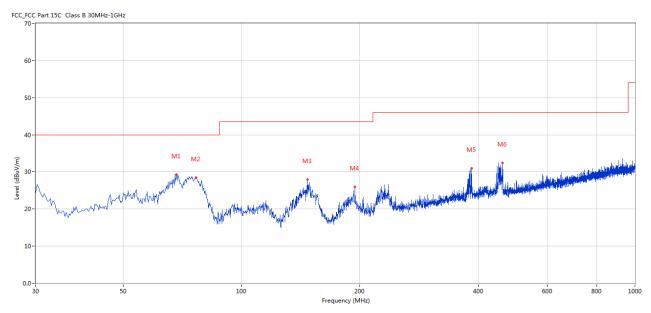


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	68.305	29.27	-14.82	40.0	10.73	Peak	38.00	100	Vertical	Pass
2	76.548	28.53	-17.60	40.0	11.47	Peak	206.00	100	Vertical	Pass
3	147.098	27.96	-17.23	43.5	15.54	Peak	276.00	100	Vertical	Pass
4	194.374	25.99	-13.83	43.5	17.51	Peak	235.00	100	Vertical	Pass
5	384.204	30.92	-9.17	46.0	15.08	Peak	197.00	100	Vertical	Pass
6	460.572	32.49	-7.86	46.0	13.51	Peak	84.00	100	Vertical	Pass

Date: 2023-08-01



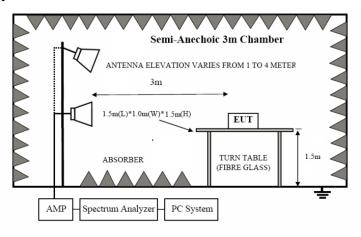
Page 23 of 50

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.

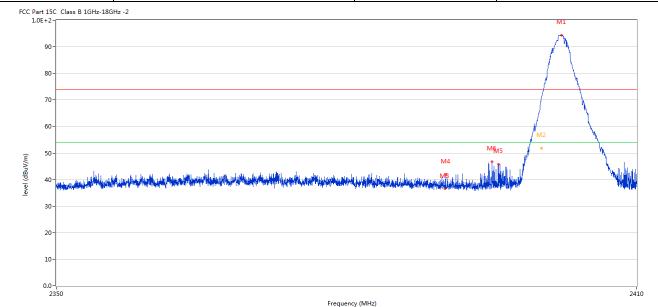
Report No.: TW2307253-01E Page 24 of 50

Date: 2023-08-01



7.6 Test Result

Product:	Bluetooth Speaker	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	120V~
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No. Limit Over Limit ANT Frequency Results Factor Detector Table Height Verdict (dBuV/m) (dB) (dBuV/m) (MHz) (dB) (cm) (o) 2402.127 94.41 -3.57 74.0 20.41 Peak 94.00 100 Horizontal N/A 2 2400.042 70.68 -3.57 74.0 -3.32 Peak 94.00 100 Horizontal Pass 2** 2400.042 -2.21 ΑV 100 51.79 -3.57 54.0 94.00 Horizontal Pass 3 2390.010 36.55 100 -3.53 74.0 -37.45 Peak 165.00 Horizontal Pass 4 2390.115 42.01 -3.53 74.0 -31.99 Peak 282.00 100 Horizontal Pass 5 2395.574 45.79 74.0 Peak 88.00 100 Pass -3.55 -28.21 Horizontal 6 2394.914 46.73 -3.55 74.0 -27.27 Peak 83.00 100 Horizontal Pass

Page 25 of 50

Report No.: TW2307253-01E

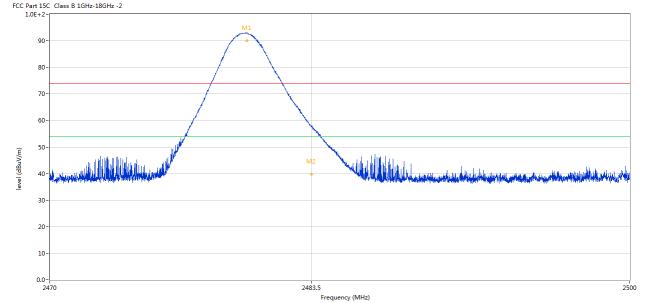


I	Product:		Bluetooth	Speaker		Detect	tor		Vertical	
	Mode	I	Keeping Tr	ansmitting		Test Vol	tage		120V~	
Te	mperature		24 de	g. C,		Humid	ity		56% RH	
Те	est Result:		Pa	ss						
C Part	t 15C Class B 1GHz-18G	Hz -2								
	90-								M1	
									м1 /^^и	
	80-									
	70-							- J		
	60-								-	
Ē	50-							M2	7	
(agna/)	40-					M3		٠ الان		
level (dbuv/m)		والتعادم والمرافعة بتدام والمرافعة و		المرادية أباد ألباد المرادية المرادة ا	والمعافلية والمادية والمادية والمادية المادية المادية المادية والمادية والمادية والمادية والمادية والمادية والمادية		on the state was been	Market Market Company		radionis
level (dbuv/r	40 - 30 -	بالمعلق وفد معام الخاطعة والمستقدة بمراخ الإسطانات	e rights jirah hi de cesteptade a de	ينوار وبادريد فإن الإستار والمراجع	المراطية والمراطية و		energia produkt	No.		Marine Marine
level (dbuv/r		ntiikusiiki,eek niises tentrikid alka valoosiine.k	engika jida di dinasayi zahanda	المتعارض والمتعارض والمتعا	والموطولة المعاون والمعاون وا		: enerale especie en en Audel	Market Market		na delenina
I/Ango) ievei	30-	nticky jek na komen ne skolik object op somboult	enelles jade leden der et zelende	ينون فروس أحديد والأنوان والمراجعة فيه	المعرفة المستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والمستعدد والم		: erendistabati kiris Joh J	A A STATE OF THE S		nindellanint
	20-	nging ng n	tenggan palament and tengen and ten	ing tagan a pangang ang ang ang ang ang ang ang ang a	ئەنچىلا لغانىدۇنىدۇنىكى ئۇنىڭ يېزىدۇنىكى ئاتىرىنىڭ ئىزىنىدۇنىڭ ئىزىنىدۇنىڭ ئىزىنىڭ ئىزىنىڭ ئىزىنىڭ ئاتىرىنىڭ ئ ئاتىرىنىڭ ئاتىرىنىڭ ئ		e encurante enchal			Market State of the State of th
	30 - 20 -	والمساود ومواحلها فالمتاونة المتاونة ال	Maritha Pala Medical Society of Society	ing tage of faculty right and an in-	Frequency (MHz)		onerseenenhad	antimated of the second		
	20	Results	Factor	Limit			Table	Height	ANT	241
	20 - 10 - 2350				Frequency (MHz)	ndredit, soladeth ejanada	one trapper to the head	Height (cm)		241
No.	20- 10- 2350	Results	Factor	Limit	Frequency (MHz) Over Limit	ndredit, soladeth ejanada	Table			241
	20- 10- 0.0- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	(cm)	ANT	241 Verdi
No.	20- 10- 2350 Frequency (MHz) 2401.842	Results (dBuV/m) 83.61	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 9.61	Detector Peak	Table (o) 163.00	(cm)	ANT Vertical	Verdi

Report No.: TW2307253-01E Page 26 of 50



120V~
120 V~
56% RH



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2480.167	93.02	-3.57	74.0	19.02	Peak	132.00	100	Horizontal	N/A
2	2483.500	57.81	-3.57	74.0	-16.19	Peak	137.00	100	Horizontal	Pass
2**	2483.500	39.78	-3.57	54.0	-14.22	AV	137.00	100	Horizontal	Pass

Page 27 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



]	Product:		Blue	tooth Speake	er		Detecto	or	Vertic	al
	Mode		Keepii	ng Transmitti	ing		Test Volt	age	120V	~
Te	mperature		2	24 deg. C,			Humidi	ty	56% R	Н
Τe	est Result:			Pass						
	rt 15C Class B 1GHz-18GH	lz -2				, L		,		
	90- 80- 70-		M1	My New Date.						
level (dBuV/m)	50- 40- 30- 20-	initia dhadhadhaan a dhadhaadhadhadhadhadhadhadhadhadhadhadha	N T	Wy Ma	Marine Marine Maland		ii af kedakin ishka mika	odsilishelyeensessade a	an and his says and an	horizona de cias.
level (dBuV/m)	50- 40- 30- 20- 10-	عبدائد فأميرة والعداميري والعالمية والمتحا	V	Mr. Ma		المارة والمارة	والإستانية والمراجعة	ordadishalusan nasisadisa	akir magasida ikiri dikinyi wakupa	
level (dBuV/m)	50- 40- 30- 20-	المسائد بالمهرة بالمسائد بالمهرة والمسائد بالمهرة والمسائد بالمهرة والمسائد والمسائد والمسائد والمسائد والمسائد	V	2483.		i i de la la de la d	i af he de disercioleis en No	nn hallacherten en en eine de fa	akte engeskirkishishishishi odayi	2500
level (dBuV/m)	50- 40- 30- 20- 10-	Results	Factor	2483.	5	Detector	Table	Height	ANT	2500
	30 - 20 - 10 - 2470		Factor (dB)	<u> </u>	5 Frequency (MHz)					
	50- 40- 30- 20- 10- 2470	Results		Limit	5 Frequency (MHz)		Table	Height		2500

Note: 1. The PK emission level less than the AV limit. No necessary to record the AV emission level.

2. For Restricted band test, the three modulation modes of GFSK, Pi/4D-QPSK and 8DPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

Date: 2023-08-01



Page 28 of 50

8.0 Antenna Requirement

Applicable Standard

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

This product has a PCB antenna. The antenna gain is 2.85dBi Max. It fulfills the requirement of this section. Test Result: Pass

Page 29 of 50

Report No.: TW2307253-01E



Product:	Blueto	ooth Spea	aker		Test Mode: Test Voltage			Keep transmitting			
Mode		g Transm					120V~				
Temperature	24	24 deg. C, Humidity			56% RH						
Test Result:		Pass				Detector		PI	X .		
OdB Bandwidth 877.76kHz								-			
Ref Lvl 10 dBm	Marker 1 ndB BW 877.	20.	ndB] .00 dB L02 kHz	VI	BW BW WT	30 ki 100 ki 8.5 m	Hz	? Att	20 dB dBr	~	
10 (18)	BW 0//.	. 755511	IUZ KHZ	اد	N I		5 01	11.0	иы	 71	
0			1			V 1	[T1]	-0 2.40183	.49 dBn 467 GHz		
				كسير		ndB BW ∇ _{T1}	87 [T1]	20 7.75551 20-	.00 dB 102 kHz 1.37 dBm		
-10		T1/	<i>/</i> /		V	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		2.40154	008 GHz		
1MAX	V							2.40241		11	
-30							\\\	^			
-50	7							~			
-60								\\	may	,	
-70											
-80											
-90											

Page 30 of 50

Report No.: TW2307253-01E



Product:		Rluet	ooth Speal	zer		т	est Mode:	Keep transmitting			
Mode			g Transmi				est Voltage				
Temperature			4 deg. C,	ши			Humidity	lity 56% RH			
Test Result:		2:	Pass		+		Detector				
0dB Bandwidth		0.4	59.72kHz		+						
Danuwiuli	Marker 1 [T1 ndB]										
\$ p.f. t1						BW Dw	30 kF		F Att	20 dB	
Ref Lvl 10 dBm		ndB BW 859	.02 9.719438	00 dB		∃W VT	100 kF 8.5 ms		nit	dBm	,
10		BW 033	7.710100	NOO KIIZ		· · ·			<u>.</u>	T CENT	I
							v ₁	[T1]	-().31 dBm	A
0				1					2.44083	467 GHz	
				\\~~~	لر		ndB BW	85	20 9.71943	0.00 dB 8888 kHz	
1.0				/	~~\	,	$oldsymbol{ abla}_{ ext{T1}}$	[T1]	-20	3.42 dBm	
-10			J	M		7			2.44055		
			T]				$ \downarrow^{L_2} \triangle^{L_3} $	[T1]	-20	.48 dBm	
-20 1MAX			~				<i>ν</i> \.		2.44141	182 GHz	1M
IMAX			$\sqrt{}$				$\sqrt{}$				IM
-30								7			
		/hom						1/m			
-40	-	<u>′</u>									
-50	الر										
Ma .	NA M								\	Λ.	
-60 MMM	•								<u> </u>	" -WAN	
										WV.	
7.0											
-70											
-80											
-90		_									
Center	2.441 GH	łz		300	kHz/				Spa	an 3 MHz	
Date: 2	8.JUL.2	023 16	:37:34								

Page 31 of 50

Report No.: TW2307253-01E



GFSK											
Product:		Bluet	ooth Speal	ker	,	Test Mode:		Keep tra	ansmitting		
Mode		Keepin	g Transmi	tting	7	Test Voltage Humidity Detector		120V~ 56% RH			
Temperature		2	4 deg. C,								
Test Result:			Pass]	PK		
20dB Bandwidth 871.74kHz			71.74kHz								
Ŕ		Marker	1 [T1 r	ndB]	RBW	30 ki	ız Ri	F Att	20 dB		
Ref Lvl		ndB		00 dB	VBW	100 kF					
10 dBm		BW 871	1.743486	97 kHz	SWT	8.5 ms	s Uı	nit	dBm		
10						v ₁	[T1]	- (1.16 dBm	A	
0				1				2.47982	866 GHz		
0				\\-\-\		ndB	0.5	20	0.00 dB		
				/	~~~	BW ▼ _{T1}	87 [T1]	1.74348	8697 kHz 3.88 dBm		
-10			J	~	7	1		2.47954			
			T1			$\bigvee_{\underline{1}^2} \triangledown_{\underline{1}^2}$	[T1]	-20			
-20			~			W		2.48041	182 GHz	1MA	
		,				\ \frac{1}{2}	`			IMA	
-30	^						W.	Λ.			
-40		1					Vo.	7			
-50								1			
-60									/jejin		
-70											
-80											
-90 Center 2	.48 GH	z		300	kHz/			Spa	an 3 MHz		
Date: 28	3.JUL.2	2023 16	:38:33								

Page 32 of 50

Report No.: TW2307253-01E



Product:	Bluetooth Speaker Test Mod			Test Mode: Keep transmitting				
Mode		ing Transmitting		Test Voltag	1 &			
Temperature	Кеер	24 deg. C,		Humidity		56% RH PK		
Test Result:		Pass		Detector				
20dB Bandwidth		1.226MHz		Detector				
oub bandwidth								
Ref Lvl		1 [T1 ndB] 20.00 dB		BW 30		F Att	20 dB	
10 dBm	ndB BW	20.00 dB 1.22645291 MHz		BW 100 WT 8.5		nit	dBm	
10						110	Q.B.II	
				V 1	[T1]	– C	.54 dBm	
0		1			77	2.40182		
			\backslash	nd BW		1.22645	.00 dB 291 MHz	
-10			h	$\nabla_{\mathbf{q}}$		-20	.87 dBm	
-10				\sim		2.40138	377 GHz	
	5			▽ ⅓	122[T1]	-20	.33 dBm	
-20						2.40261	022 GHz	
	\darksig \tag{4}						-	
-30								
	$ \wedge $							
-40					 \		- 0.0	
~~~~	$\sqrt{}$				V		$\backslash \backslash \backslash \backslash \backslash $	
-50							V	
-60								
-70								
-								
-80								
-90 Center 2.4	100 GH-	300	kHz/			C	n 3 MHz	

Page 33 of 50

Report No.: TW2307253-01E



T/4DQPSK	T							
Product:	Blue	tooth Speaker	-	Test Mode:	1 0			
Mode	Keepi	ng Transmitting	T	Test Voltage	120V~			
Temperature		24 deg. C,		Humidity	56% RH			
Test Result:		Pass		Detector		PK		
20dB Bandwidth		1.220MHz						
Ŕ	Marker	1 [T1 ndB]	RBW	30 kHz	RF Att	20 dB		
Ref Lvl	ndB	20.00 dB	VBW	100 kHz				
10 dBm	BW	1.22044088 MHz	SWT	8.5 ms	Unit	dBm		
10				<b>▼</b> 1 [3	r1] –	0.29 dBm		
		<u>1</u>			2.4408			
0			<u> </u>	ndB	2	0.00 dB		
			/ lhs	BW VT	1.2204 [T1] -2	4088 MHz		
-10			1 1	1005	2.4403			
	,	V		$\nabla T_{\mathbb{R}_2}$	[T1] -2			
-20	1	<del>                                     </del>		1	2.4416			
1MAX	( )					11		
-30	1 M				\ _{\\\\}			
-40	and but				The same of the sa			
-50								
-60								
-70								
-80								
-90								
Center 2	2.441 GHz	300	kHz/		Sp	an 3 MHz		
Date: 28	8.JUL.2023 1	6:41:03						

Page 34 of 50

Report No.: TW2307253-01E



Л/4DQPSK									
Product:	]	Bluetooth Spea	ker	7	Test Mode:		Keep tra	ansmitting	
Mode	K	eeping Transmi	tting	Т	Test Voltage Humidity Detector		120V~ 56% RH		
Temperature		24 deg. C,							
Test Result:		Pass					]	PK	
20dB Bandwidth		1.238MHz							
Ŕ	Mar	ker 1 [T1 r	ndB]	RBW	30 kH	Iz RI	F Att	20 dB	
Ref Lvl	ndB		.00 dB	VBW	100 kH				
10 dBm	BW	1.238476	595 MHz	SWT	8.5 ms	s U1	nit	dBm	•
					<b>v</b> ₁	[T1]	(	0.45 dBm	A
0			1				2.47982	2866 GHz	
			$  \ \ / \ \ /$	\ _	ndB BW		20 1.23847	0.00 dB	
1.0			$\bigvee\bigvee$	$\sim \sim$	Λ Λ _Λ ∇ _T 1	[T1]	-19	7695 MHz $9.91$ dBm	
-10					Dal		2.47937	7776 GHz	
		ŢV			∠√±	² [T1]	-19	9.27 dBm	
-20 1MAX							2.48061	L623 GHz	1MA
-30	A								
		/				M	M.		
-40								$\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{\sqrt{$	
-50									
-60									
-70									
-80									
-90 Center 2	48 CU2		300	bus/			Qn.	an 3 MHz	
		16:39:48	300	171171 /			Syc	AII S MINZ	

Page 35 of 50

Report No.: TW2307253-01E



DPSK								_			
Product:		Blue	tooth Spea	aker		T	est Mode:		Keep tran	smitting	
Mode		Keepi	ng Transm	itting		Te	est Voltage	120V~			
Temperature		,	24 deg. C,			Humidity Detector		56% RH			
Test Result:			Pass						PF	ζ	
0dB Bandwidth		1	1.232MHz								
<b>&gt;</b>		Marker	1 [T1 r	ndB]	RI	ЗW	30 k	Hz RI	7 Att	20 dB	
Ref Lvl		ndB		00 dB	VI	ЗW	100 k				
10 dBm		BW 1	L.232464	193 MHz	SI	TV	8.5 m	s Uı	nit	dBn	n
10							lacksquare1	[T1]	-1	.24 dBm	<u> </u>
					1				2.40216	533 GHz	
0				^ /	$\overline{\Lambda}$		ndF	3	20	.00 dB	
					\ \ \ \		BW ▼ _T :	[T1]	1.23246		
-10			$\sim$	V V		$\forall$	V	_ [TI]	2.40138	.58 dBm 978 GHz	
			لم				$\nabla_{\mathcal{T}}$	(CT1)	-21	.25 dBm	
-20		T y	1					Y	2.40262	224 GHz	
1MAX								4			11
-30								<del>-\</del>			
		$\Lambda$						$\setminus$ $\wedge$			
-40	V	/ \						W/	·^\\\	V~//	
-50	•										
-60											1
-70											1
-80											1
-90											]
Center 2.	402 GI	Ηz		300	kHz/				Spa	n 3 MHz	

Page 36 of 50

Report No.: TW2307253-01E



Product:	Bluet	ooth Speal	ker	7	Test Mode:		Keep tra	nsmitting	
Mode		g Transmi		Т	est Voltage	120V~			
Temperature	2	4 deg. C,			Humidity		56% RH		
Test Result:		Pass			Detector		]	PK	
)dB Bandwidth	1	.232MHz							
Ŕ	Marker	1 [T1 n	ndB]	RBW	30 ki	Hz Rl	F Att	20 dB	
Ref Lvl	ndB	20.	00 dB	VBW	100 k	Hz			
10 dBm	BW 1	L.232464	93 MHz	SWT	8.5 m	s Uı	nit	dBm	L
10					<b>v</b> ₁	[T1]	- (	.95 dBm	A
			1				2.44082	866 GHz	-
0			^ /	\	ndB		20	.00 dB	
					$lackbox{f PW} lackbox{f V}_{ m T1}$	[T1]	1.23246		
-10		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	V V	$\bigvee$	V	[11]	2.44038		
					∇ ₁ √	_{'2} [T1]	-20	.52 dBm	
-20	7						2.44162	224 GHz	
1MAX						\			1M
-30	. \								
-40						<del></del>	<b>√</b> ₩√	m	
-50									
-60									
-70									
-80									
-90									
Center 2.4	41 GHz		300	kHz/			Spa	n 3 MHz	

Page 37 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



8DPSK										
Product:	Bluete	Bluetooth Speaker			Test Mode:		Keep transmitting			
Mode Keeping Trans				tting		Test Voltag	;e	120V~		
Temperature		24 deg. C,				Humidity		56% RH		
Test Result:		Pass				Detector		PK		
20dB Bandwidth	1.226MHz									
Ŕ		Marker	1 [T1 n	ndB]	RBV	30 ]	kHz R	F Att	20 dB	
Ref Lvl		ndB		00 dB	VBV					
10 dBm		BW 1	.226452	291 MHz	SWI	r 8.5 r	ns U	nit	dBm	
10						<b>v</b> ₁	[T1]	-0	.88 dBm	A
0				1				2.47982	866 GHz	
0					\ \	nd	В	20	.00 dB	
			0 5		\\ \ \ \	BW $\nabla_{\mathrm{T}}$		1.22645	291 MHz	
-10			$\overline{}$	· ·	1			2.47939		
		Т	4			$\nabla \sqrt{J}$	2[T1]	-20	.28 dBm	
-20		J	,				<b>T</b>	2.48062	224 GHz	1MA
-30							1			IMA
		$\bigvee$							>	
-40	<b>√</b> √√√							$\sim$		
-50										
-60										
-70										
-80										
-90 Center 2	49 011-			200	kHz/			Cro	ın 3 MHz	
	.48 GH2		:45:03	300	VUS/			Бра	III 3 MHZ	

Report No.: TW2307253-01E Page 38 of 50

Date: 2023-08-01



# 10.0 FCC ID Label

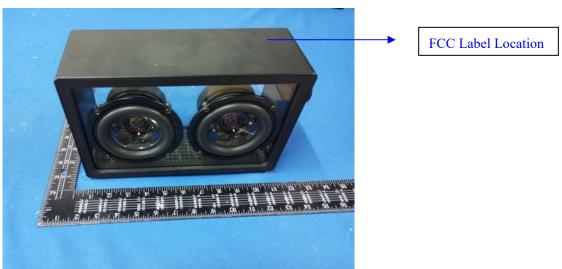
#### FCC ID: 2BCCY-DK01

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and

(2) this device must accept any interference received, including interference that may cause undesired operation

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

#### Mark Location:



Page 39 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



#### 11.0 Photo of testing 11.1



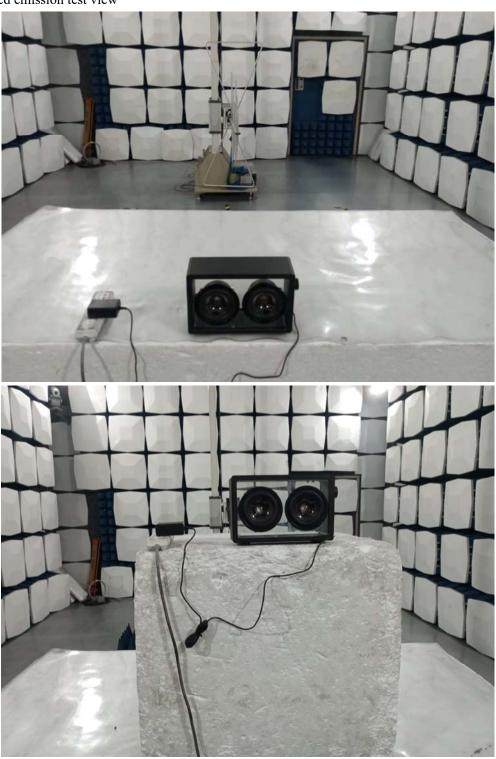
Page 40 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



# Radiated emission test view



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Report No.: TW2307253-01E

Date: 2023-08-01



#### 11.2 Photographs-EUT

# Outside View





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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 42 of 50

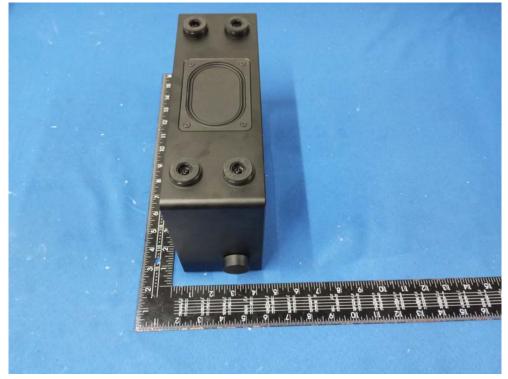
Report No.: TW2307253-01E

Date: 2023-08-01



Outside View





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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any

discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 43 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



Outside View



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

Page 44 of 50

Report No.: TW2307253-01E

Date: 2023-08-01





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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 45 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



Inside View



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any

discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 46 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



Inside View



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

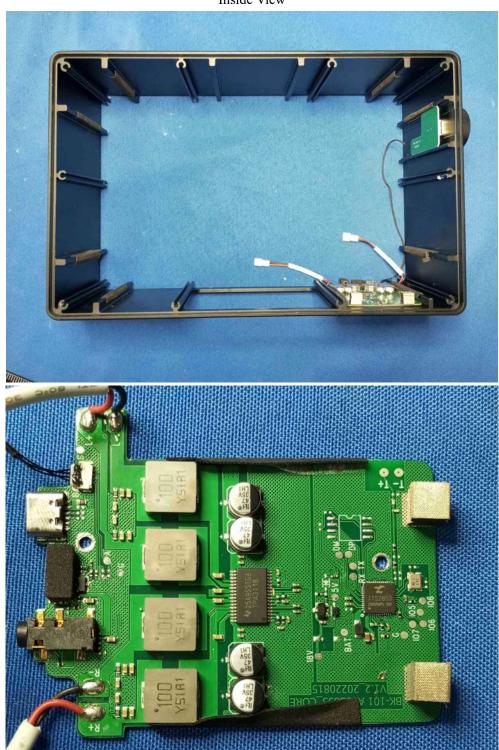
Page 47 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



Inside View



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

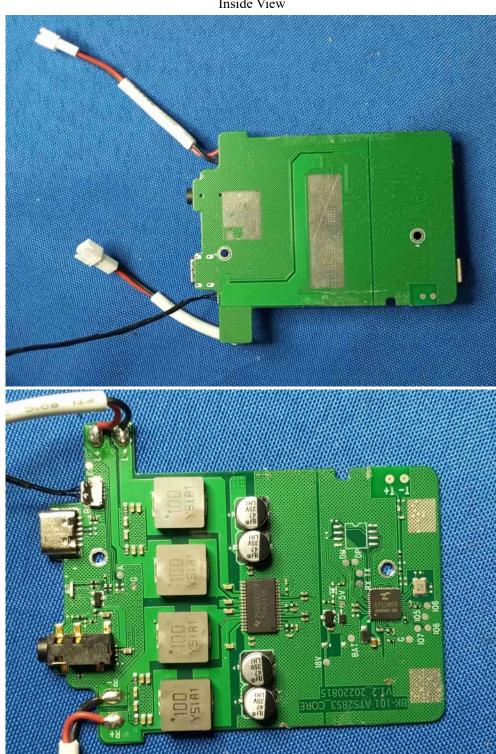
Page 48 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



Inside View



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

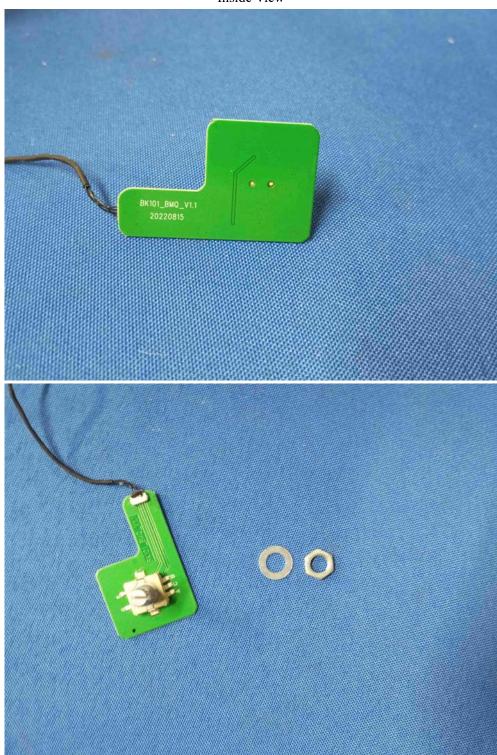
Page 49 of 50

Report No.: TW2307253-01E

Date: 2023-08-01



Inside View



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.

Page 50 of 50 Report No.: TW2307253-01E

Date: 2023-08-01



# Antenna



-- End of the report--