

Applicant: Bytech NY Inc.

Product: Bluetooth Headphone

Model No.: A69, HM-AU-BO-202, TX-42

Trademark: Bytech, iHome

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

withdrawal at

Manager

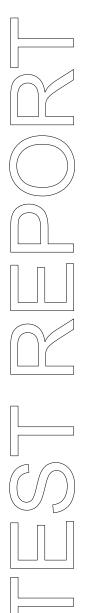
Dated: April 17, 2024

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

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



Report No.: TW2403145-01E Page 2 of 45

Date: 2024-04-17



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: 2024-04-17



Test Report Conclusion

Content

1.0	General Details	4
1.1	Test Lab Details	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	4
1.5	Test Duration.	5
1.6	Test Uncertainty	5
1.7	Test By	5
2.0	List of Measurement Equipment	6
3.0	Technical Details	7
3.1	Summary of Test Results	7
3.2	Test Standards	7
4.0	EUT Modification	7
5.0	Power Line Conducted Emission Test	8
5.1	Schematics of the Test.	8
5.2	Test Method and Test Procedure	8
5.3	Configuration of the EUT	8
5.4	EUT Operating Condition	9
5.5	Conducted Emission Limit.	9
5.6	Test Result	9
6.0	Radiated Emission test	12
6.1	Test Method and Test Procedure	12
6.2	Configuration of the EUT	13
6.3	EUT Operation Condition.	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
9.0	20dB bandwidth measurement	29
10.0	FCC ID Label	39
11.0	Photo of Test Setup and EUT View	40

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Report No.: TW2403145-01E Page 4 of 45

Date: 2024-04-17



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: Bytech NY Inc.

Address: 2585 West 13th Street Brooklyn NY 11223 USA

Telephone: (718) 449 3700 Fax: (718) 449 3700

1.3 Description of EUT

Product: Bluetooth Headphone

Manufacturer: Bytech NY Inc.

Address: 2585 West 13th Street Brooklyn NY 11223 USA

Trademark: Bytech, iHome

Model Number: A69

Additional Model Name HM-AU-BO-202, TX-42

Rating: DC5.0V

Battery: DC3.7V, 200mAh Li-ion battery
Modulation Type: GFSK, J/4DQPSK for Bluetooth

Operation Frequency: 2402-2480MHz

Channel Number: 79
Channel Separation: 1MHz
Hardware Version: A69 V1.0
Software Version: SV1.1

Serial No.: A69202410299

Antenna Designation PCB antenna with gain -0.68dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

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Report No.: TW2403145-01E Page 5 of 45

Date: 2024-04-17



1.5 Test Duration

2024-03-15 to 2024-04-17

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 45

Report No.: TW2403145-01E

Date: 2024-04-17



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

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Page 7 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



3.0 Technical Details

3.1 Summary of test results

The EUT has	been tested	l according to	o the foll	owing s	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

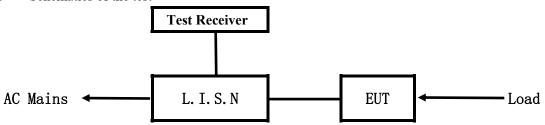
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

Date: 2024-04-17



5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

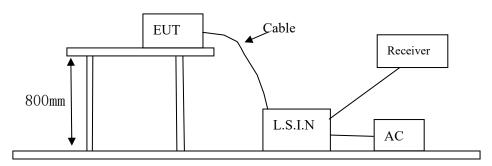


EUT: Equipment Under Test

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
		A69,	
Bluetooth Headphone	Bytech NY Inc.	HM-AU-BO-202,	2AHN6-AUBO202
		TX-42	

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Report No.: TW2403145-01E Page 9 of 45

Date: 2024-04-17



B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
Power Supply	KEYU	KA23-0502000DEU	Input: 100-240V~, 50/60Hz, 0.35A;
			Output: DC5V, 2A

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:

Date: 2024-04-17



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

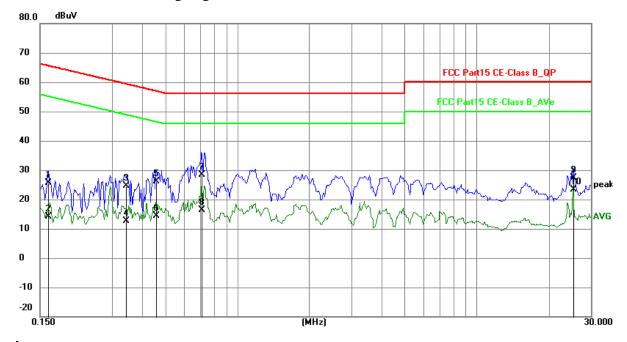
EUT Operating Environment

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

EUT set Condition: Charging + 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	0.1617	15.73	9.78	25.51	65.38	-39.87	QP	Р
2	0.1617	4.33	9.78	14.11	55.38	-41.27	AVG	Р
3	0.3410	14.76	9.76	24.52	59.18	-34.66	QP	Р
4	0.3410	2.94	9.76	12.70	49.18	-36.48	AVG	Р
5	0.4581	16.41	9.77	26.18	56.73	-30.55	QP Q	Р
6	0.4581	4.55	9.77	14.32	46.73	-32.41	AVG	Р
7	0.7116	18.72	9.78	28.50	56.00	-27.50	P Q	Р
8	0.7116	6.50	9.78	16.28	46.00	-29.72	AVG	Р
9	25.2300	16.28	11.00	27.28	60.00	-32.72	QP	Р
10	25.2300	12.46	11.00	23.46	50.00	-26.54	AVG	Р

Date: 2024-04-17



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

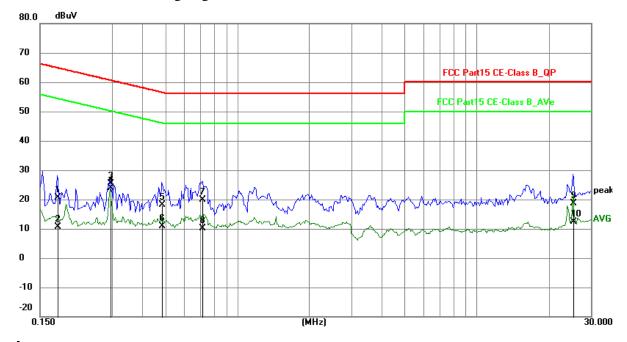
EUT Operating Environment

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

EUT set Condition: Charging + 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	0.1773	10.76	9.77	20.53	64.61	-44.08	QP	Р
2	0.1773	0.93	9.77	10.70	54.61	-43.91	AVG	Р
3	0.2943	15.66	9.76	25.42	60.40	-34.98	QP Q	Р
4	0.2943	14.01	9.76	23.77	50.40	-26.63	AVG	Р
5	0.4854	8.48	9.77	18.25	56.25	-38.00	QP Q	Р
6	0.4854	1.01	9.77	10.78	46.25	-35.47	AVG	Р
7	0.7155	10.09	9.78	19.87	56.00	-36.13	P Q	Р
8	0.7155	0.45	9.78	10.23	46.00	-35.77	AVG	Р
9	25.2456	7.50	11.01	18.51	60.00	-41.49	Q Q	Р
10	25.2456	1.33	11.01	12.34	50.00	-37.66	AVG	Р

Date: 2024-04-17



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:

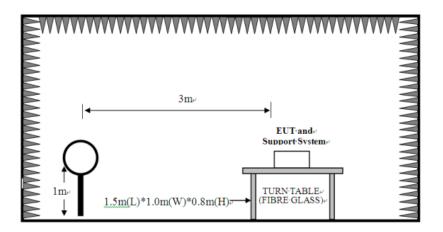
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(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

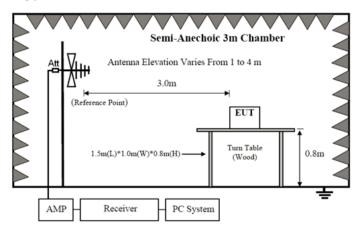
For radiated emissions from 9kHz to 30MHz



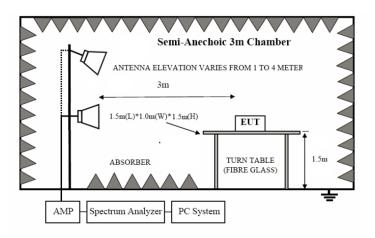
Date: 2024-04-17



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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Report No.: TW2403145-01E Page 14 of 45

Date: 2024-04-17



2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)
ZT00-ZT03.3	50	JT (Average)	11 1 (1 cak)	500	J+ (Average)	/4 (FCak)

Note: 1. RF Fig

- 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
88-2 6	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 and Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.
- 6. This is a portable device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 7. Battery fully charged was used during the test.

Report No.: TW2403145-01E Page 15 of 45

Date: 2024-04-17

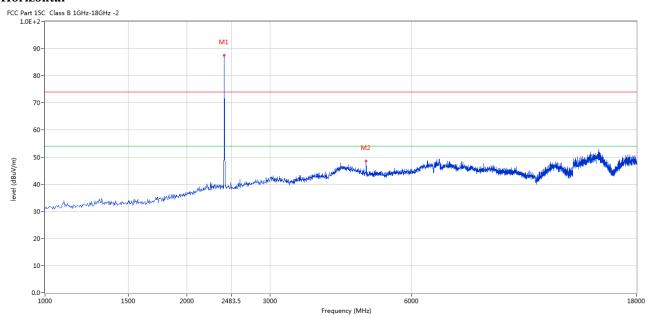


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



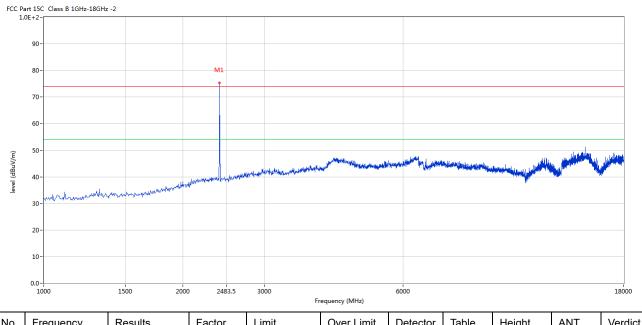
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2402	88.28	-3.57	114.0	-25.72	Peak	293.00	100	Horizontal	Pass
2	4802.799	48.51	3.12	74.0	-25.49	Peak	343.00	100	Horizontal	Pass

Report No.: TW2403145-01E Page 16 of 45

Date: 2024-04-17



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	75.27	-3.57	114.0	-38.73	Peak	48.00	100	Vertical	Pass

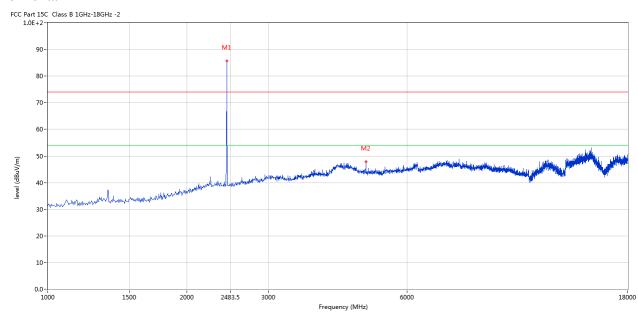
Report No.: TW2403145-01E Page 17 of 45

Date: 2024-04-17



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

Horizontal



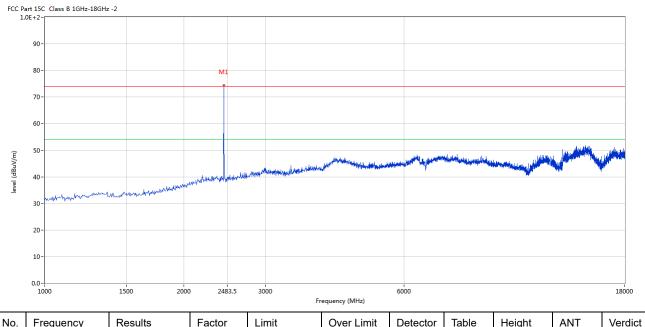
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2441	85.72	-3.57	114.0	-28.28	Peak	261.00	100	Horizontal	Pass
2	4883.529	47.90	3.20	74.0	-26.10	Peak	342.00	100	Horizontal	Pass

Report No.: TW2403145-01E Page 18 of 45

Date: 2024-04-17



Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2441	74.48	-3.57	114.0	-39.52	Peak	34.00	100	Vertical	Pass

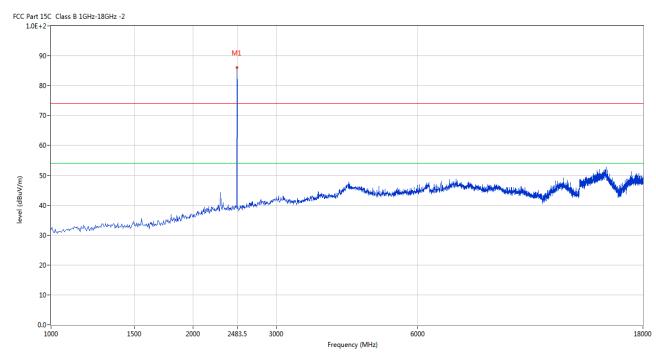
Report No.: TW2403145-01E Page 19 of 45

Date: 2024-04-17



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

Horizontal



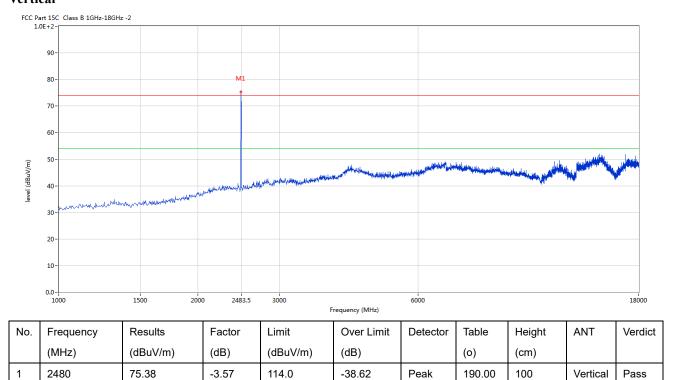
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	85.97	-3.57	114.0	-28.03	Peak	295.00	100	Horizontal	Pass

Report No.: TW2403145-01E Page 20 of 45

Date: 2024-04-17



Vertical



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.: TW2403145-01E Page 21 of 45

Date: 2024-04-17

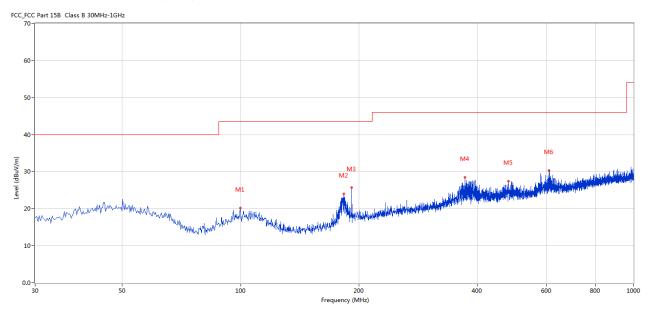


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	99.823	20.15	-14.17	43.5	23.35	Peak	105.00	100	Horizontal	Pass
2	182.979	24.00	-15.78	43.5	19.50	Peak	339.00	100	Horizontal	Pass
3	191.950	25.66	-14.93	43.5	17.84	Peak	18.00	100	Horizontal	Pass
4	372.324	28.53	-10.65	46.0	17.47	Peak	248.00	100	Horizontal	Pass
5	479.968	27.38	-8.79	46.0	18.62	Peak	133.00	100	Horizontal	Pass
6	610.157	30.31	-6.61	46.0	15.69	Peak	2.00	100	Horizontal	Pass

Report No.: TW2403145-01E Page 22 of 45

Date: 2024-04-17

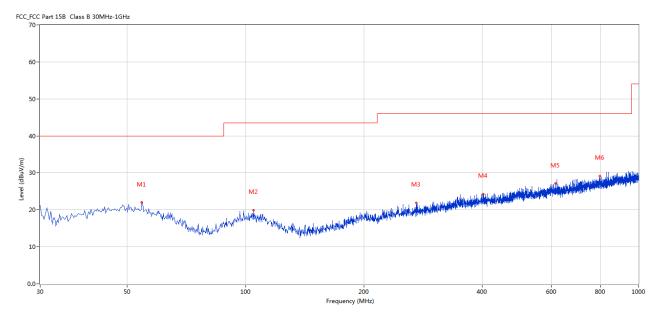


Radiated Emission In Vertical (30MHz----1000MHz)

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	54.486	21.95	-12.10	40.0	18.05	Peak	19.00	100	Vertical	Pass
2	104.914	19.90	-13.86	43.5	23.60	Peak	79.00	100	Vertical	Pass
3	271.712	21.90	-12.69	46.0	24.10	Peak	60.00	100	Vertical	Pass
4	401.902	24.30	-9.86	46.0	21.70	Peak	268.00	100	Vertical	Pass
5	614.521	27.09	-6.59	46.0	18.91	Peak	225.00	100	Vertical	Pass
6	796.836	29.10	-4.80	46.0	16.90	Peak	19.00	100	Vertical	Pass

Date: 2024-04-17

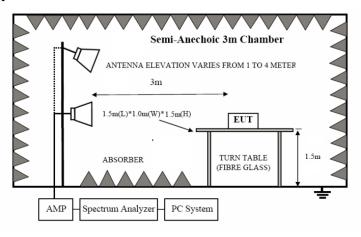


7. Band Edge

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.

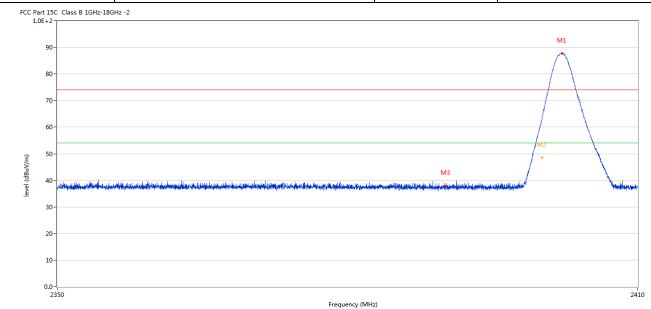
Report No.: TW2403145-01E Page 24 of 45

Date: 2024-04-17



7.6 Test Result

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



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2402.097	87.68	-3.57	74.0	13.68	Peak	284.00	100	Horizontal	N/A
2	2400.012	63.65	-3.57	74.0	-10.35	Peak	284.00	100	Horizontal	Pass
2**	2400.012	48.61	-3.57	54.0	-5.39	AV	284.00	100	Horizontal	Pass
3	2390.010	37.82	-3.53	74.0	-36.18	Peak	263.00	100	Horizontal	Pass

Report No.: TW2403145-01E Page 25 of 45



	Product:	I	Bluetooth I	Headphone		Detect	tor		Vertical		
	Mode	I	Keeping Tr	ansmitting		Test Voltage			DC3.7V		
Te	mperature		24 de	g. C,		Humidity 56%			56% RH		
Te	est Result:		Pa	SS							
	rt 15C Class B 1GHz-18GF E+2-	Hz -2									
	90-										
	80-								M1		
	70-										
	60-										
	50-							M2	$\overline{}$		
m/vudb) is	40-	والمراجعة المراجعة ال	والمراجع المراجع المرا	والأمران المراجع والمعارض والمعارض	nitema caa communication	M3 من الله منه الله عامل الله من	i Alle d'Aller a de la partina, delle l'aller d'Aller	المعمل بديد مطيد		otiliatrattu itt	
II/Angn) Ieael	40- alimba dinappungana dinapp	addiegosythad of the staffing and by sound by specific and and additional and high bounds.	udandan pina jihila inna asa papa injadah	to a suite destroy to a serve and and suite affilia	triskyntigenskallekkonskenskenskenskenskenskenske	M3	: Anty Politica of Arts, stand and Arts	A STATE OF THE STA	how	rifthoursestable	
level (dbuv/m	antimated and property and a continue of	_{te} len _{er} ak kendengan dipuksya da da kencah dibu	udiktula ayan dibida kurast a pada alaa d ab	સ્કારકોન્દ્ર કરિયાના કુલ્લાના અનુ કરાયો હતી. અને પેટ્સ	tisk profijes kallet oversjenste oktober	M3	: inig the lawer who are as the whole and the	المتوينية بالمادية المتابعة	The state of the s	rifitauritus trata.	
level (αβυV/π	30-	internative particular at the second described and the second described at the	<mark>વર્ષીકાર્તાના મુખ્યત્વેના પ્રાપ્યુસ્તિ માન</mark> ા હતા કરતા હતા. મુખ્યત્વેના મુખ્યત્વેના માના કરતા હતા. માના માના સ્	rennydd diwegirlen ae rendd nybyddirddio	trikeriyasi katika nagadanga dan kasika	M3	ः स्थितिविद्यान्त्रसम्बद्धाः स्थापनिद्यान	adira manining para	No.	refettantiantenta	
-	30- 10-	होतीय हुन्हें के कुल के किए हुन्हें की कुल के हुन की कुल के किए कहा है जिसके के किए कहा के किए कहा के किए कहा 	politicida politicida de la composição d	ne novele di straggiore ne considenți ne di sedice di in	tsi prijeni dalikovanjenije vileni avite	M3	: inightigus/engensenenenishush	and the constitution of th	hue	eriphocus input tradition	
_	30-	girthyside kynthethydd arfyn hywr i deil Menes i Alland	politicis in particular politicis in politic	ne novele di straggiare nei encidi nel sueli nelle in	Frequency (MHz)	M3	: highlion/shufshufshubbash	and the control of th	N		
	30 - 10 - 0.0	Results	Factor	Limit		Detector	Table	Height	ANT	241	
	30 - 20 - 10 - 2350				Frequency (MHz)					241	
lo.	30 - 10	Results	Factor	Limit	Frequency (MHz) Over Limit		Table	Height		241	
(m/\ngp) laval	20- 10- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	241 Verdi	

Report No.: TW2403145-01E Page 26 of 45



I	Product:		Bluetooth	Headphone		P	olarity		Horizont	al	
	Mode		Keeping 7	Fransmitting		Test	t Voltage		DC3.7V		
Tei	mperature		24 d	leg. C,		Н	ımidity		56% RH		
Te	st Result:		P	ass							
CC Part 1.0E	: 15C Class B 1GHz-180	iHz -2									
	90-		4	M1							
	80-		No	L. J.							
	70-		N	M.							
	60-			W. MAN	2						
(m/A	50-		<i>[</i> '	W.	wye,						
level (dbuV/m)	40-	فمركم والمتعادية			And Mark March Million Land	and the state of t	المرابع المرابع المرابع المرابع	marker to be seen to see the seen the seen the seed and	aling the state of	edikiniyyyalikaldigi	
	30-										
	20-										
	10-										
,	0.0- 2470			248	3.5 Frequency (MHz)					250	
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verd	
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)			
	2480.092	85.41	-3.57	74.0	11.41	Peak	258.00	100	Horizontal	N/A	

Report No.: TW2403145-01E Page 27 of 45

Date: 2024-04-17



	Produ	ıct:	1	Bluetooth F	Headphone		Detect	tor		Vertical		
	Mod	le	I	Keeping Tra	ansmitting		Test Vol	tage		DC3.7V		
Te	mpera	ature		24 de	g. C,		Humid		56% RH			
Te	est Re	sult:		Pas	ss							
	rt 15C Clas	ss B 1GHz-18GF	-lz -2									
	90-											
	80-			M	11							
	70-			No.	No.							
	60-				, J							
				F	λ.							
				- A	- N							
n//m)	50-				M _M M ₂							
evel (dBuV/m)	40-	ng ighag i i kilipigal kab <mark>k</mark> an men	occorrency dual planness of the spiritual participation will		M _M M2	Manuffetterrende der generalische publik	بمنوعة لمراجع المراجعة المنافعة والمنافعة والمراجعة والمنافعة والمراجعة والمنافعة والمنافعة والمنافعة والمنافعة	Dajirba (Bela jirgila asi int filar	dangan karaptakan kandada	ing mental and a supplemental s	n sachtfriguegen virtuals.	
level (dBuV/m)	40-	apidagasi pilipagi kadikan	omonophijkaphaninkohologika		M ₂	Manufatingkapan sagan sagah	Made and the specific of the land of the land of the specific of the land	والمراجة المساولة والمراجة وا	d dag not to e o t de o t described de de	ha, nici fina galdanda interstalaje e de es	n sachtharpen of the	
level (dBuV/m)	40-	of the programme of the second	······································		MA MA	الأربوالاناميدية بمريد فالمقال برايالد	ned allerinderfolished had a seen	Dyja kal bekhila je pika periklijian	daly ani bari dan banda dala	in, mi fra all havita iron sufate a dise.	e and hipsopolarist also	
level (dBuV/m)	30- 20-	ng khaya di dinadika dika dina aran	oom-renzedust fissest filmsteindustere stjekte ook		M ₂ M ₂	Manuel Aringan, song sense dental beservelle.	And the state of t	d na haidelada na hain	اد که در در اور در کار در	ing mini from and deposite views to also the section of the sec	e condition of a late	
level (dBuV/m)	40- Vullima 30-	ar lake province de la lace e e e e e e e e e e e e e e e e e e	om vannsydasi filosoofi daa, tiinaksi sisteysi teeska siik		M _M M ₂	the weeklingshape, are generalised to gright	. Asak Militarika ili birla k. A. arka	d population produces the first of the contract of the contrac	dalaga selak si da da da da da	territ formeller de la constitute de la co	no and let fan yw a si de stip.	
level (dBuV/m)	30- 20-	ng ingaga di digung dikendikan arawa	oom-saveydasi kinned platte, iin danktys sijiiska wa		M2	5	ned white policy is in the day to see	d population de la proposition dela proposition de la proposition dela proposition de la proposition dela proposition de la proposition de	المراجعة المردوعة الم	in, mit franzischen der Steine Ante	2500	
	30- 20- 10- 0.0- 2470	11)			1	5 Frequency (MHz)					2500	
	30- 20- 10- 2470	luency	Results	Factor	Limit	5	Detector	Table	Height	ANT	2500	
	30- 20- 10- 0.0- 2470	luency		Factor (dB)	Limit (dBuV/m)	5 Frequency (MHz)					2500	
(m/\mu/\mu/\mu) level	30- 20- 10- 0.0- 2470 Frequence (MHz	luency	Results		Limit	Frequency (MHz) Over Limit		Table	Height			

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

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

Date: 2024-04-17



Page 28 of 45

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 -0.68dBi Max. It fulfills the requirement of this section. Test Result: Pass

Date: 2024-04-17



Page 29 of 45

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

Page 30 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



Test Result

Product:	Bluetoot	h Headphone		Test M	lode:		Keep tran	smitting	
Mode	Keeping	Transmitting		Test Vo	ltage	DC3.7V			
Геmperature	24	deg. C,		Humidity		56% RH			
Test Result:		Pass		Detec	ctor		PF	ζ	
dB Bandwidth	890kHz								
*	Marker 1 [T1 ndB]			.BW 30 ki		Hz RI	7 Att	20 dB	
Ref Lvl	ndB	20.00 dB	V	BW 1	00 kI	Hz			
10 dBm	BW 889.	77955912 kHz	S	WT 8	.5 ms	5 U1	nit	dBm	
10					v ₁	[T1]	- 0	.49 dBm	
		<u>1</u>					2.40184	068 GHz	
0		/m	Λ		ndB		20	.00 dB	
				\	BW		9.77955		
10		<u> </u>	+	7	∇_{T1}	[T1]	-20	.87 dBm	
		W		$\gamma \gamma_{\sim}$	∇⊤⊅	[T1]	2.40155		
20		T1	-	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	7	[11]	2.40244	790 GHz	
1MAX		~							
30	\mathcal{N}					Y			
50							~~~		
Wall Market							V	hulper theyon	
60									
70									
80									
90								ın 3 MHz	

Page 31 of 45

Report No.: TW2403145-01E



GFSK									
Product:	Blueto	oth Headpl	hone	Г	est Mode:		Keep tra	ansmitting	
Mode	Keepii	ng Transmi	tting	T	est Voltage		DC	23.7V	
Temperature	2	24 deg. C,			Humidity		569	% RH	
Test Result:		Pass			Detector]	PK	
20dB Bandwidth	884kHz								
Ŕ	Marker	RBW	30 k	Hz RI	F Att	20 dB			
Ref Lvl	ndB		00 dB	VBW	100 k				
10 dBm	BW 88	3.767535	07 kHz	SWT	8.5 m	s Ur	nit	dBm	
10					\mathbf{v}_1	[T1]	(0.65 dBm	A
			1				2.44084	068 GHz	
0			\w	\ Λ	ndB		20	0.00 dB	
				7	BW ▽ _{T1}	88 . [T1]	3.76753 _10	3507 kHz	
-10		.,	/ √	7	٨		2.44055		
		T,			$\sqrt{T^2}\nabla_{T^2}$	[T1]	-18	3.96 dBm	
-20 1W2 V		الرسم الرسم الرسم ال			\mathcal{N}		2.44144	188 GHz	1RM
1MAX		W			\mathcal{N}	V			IRM
-30						M			
-40	multiple of the second						M/V		
-50 MM/W/M	V					<u> </u>	1	meller	
-60									
-70									
-80									
-90 Center 2.	441 GHz	I	300	kHz/	Į.		ı sas	an 3 MHz	
		L:29:54		•			1		

Page 32 of 45

Report No.: TW2403145-01E



GFSK										
Product:		Bluetoo	oth Headpl	hone		Test Mode:		Keep tra	ansmitting	
Mode		Keepin	g Transmi	tting	,	Test Voltage		DC	3.7V	
Temperature		2	4 deg. C,			Humidity		56% RH		
Test Result:			Pass			Detector		l	PK	
20dB Bandwidth	854kHz									
Ŕ 	Marker 1 [T1 ndB]				RBW	30 k	Hz R	F Att	20 dB	
Ref Lvl		ndB		00 dB	VBW				_	
10 dBm		BW 853	3.707414	83 kHz	SWI	. 8.5 m	ıs Uı	nit	dBm	•
				7		v ₁	[T1]	1	.58 dBm	A
0				T X				2.47984	669 GHz	
				\w\	\bigvee	ndE BW	3 O.F	20 3.70741	0.00 dB	
1.0				, /	ا کی	BW ∇ _T -	8: L [T1]	-18	.483 kHz	
-10			ad	70		M		2.47956		
			T1 Y			$\sqrt{r^2} \nabla_{\mathrm{T}}^2$	2 [T1]	-17	.87 dBm	
-20			سم					2.48041	784 GHz	1RM
		/	\checkmark			V	w			
-30							Ly .			
-40										
-50	<u>v/</u>	V					V	W W	Munthy	
-60										
-70										
-80										
-90 Center 2	.48 GH:	z		300	kHz/			Spa	an 3 MHz	
Date: 18	3.MAR.2	024 11	:27:07							

Page 33 of 45

Report No.: TW2403145-01E



Product:		Blueto	oth Head	ohone		Т	est Mode:		Keep tran	smitting	
Mode			ng Transm			1	est Voltage		DC3		
Temperature			24 deg. C,			-	Humidity		56%		
Test Result:			Pass				Detector		PI		
OdB Bandwidth			.226MHz	,							
<u> </u>					R	BW	30 k	Hz RI	F Att	20 dB	
Ref Lvl						BW	100 k				
10 dBm		BW 1	.226452	291 MHz	S	WT	8.5 m	s Uı	nit	dBm	ı
10							v ₁	[T1]	(.34 dBm	
				1					2.40184	669 GHz	
0				\ \ /	\		ndI		20	.00 dB	
			^	/\ _^ /	\m	Λ.	A. BW		1.22645		
-10			-	W V	(<u>√\^</u>		[T1]	2.40138	.39 dBm 377 GHz	
		T	\sim				∇_{T}	2[T1]	-19		
-20		7	<u>'</u>					1	2.40261	022 GHz	
-30											11
-40		\ \\						W	\sqrt{M}		
-50	4 0									Mary York	
-60											
-70											
-80											
-90	100	_			:				_	2	
Center 2.	402 GI	12		300	kHz/				Spa	ın 3 MHz	

Page 34 of 45

Report No.: TW2403145-01E



/4DQPSK Product:		Blueto	oth Headpl	none		Т	est Mode:		Keen tra	ansmitting		
Mode			ig Transmi				est Voltage			3.7V		
Temperature			4 deg. C,	6		Humidity			56% RH			
Test Result:			Pass			Detector			PK			
0dB Bandwidth	1.220MHz											
^	Marker 1 [T1 ndB]				R	BW	30 k	Hz RI	F Att	20 dB		
Ref Lvl		ndB		00 dB		BW	100 k		1100	20 02		
10 dBm		BW :	1.220440	088 MHz	S	WT	8.5 m	s Uı	nit	dBm	ı	
10							v ₁	[T1]	1	.19 dBm	A	
				1					2.44084	669 GHz	-	
0				/\ /	\		ndE	3	20	.00 dB		
			A 4	J W/	hm	\sim	BW V	5-13	1.22044	088 MHz		
-10				<u> </u>		W	<u> </u>	[T1]	2.44038	.92 dBm 377 GHz		
		Ţ	~				∇_{T}	² [T1]	-18	.74 dBm		
-20								\	2.44160	421 GHz		
-30											1RI	
-40	<u>~</u>	r ¹						lan	M	۸.۸		
-50	<u></u>									Thulp		
-60												
-70												
-80												
-90												
Center 2	.441 GI	Hz		300	kHz/				Spa	ın 3 MHz	-	

Page 35 of 45

Report No.: TW2403145-01E



Product:		Bluetooth Headphone			Test Mode:			Keep transmitting				
Mode			ng Transmi	uing			est Voltage	;	DC3.7V 56% RH			
Temperature		2	24 deg. C,				Humidity					
Test Result:		Pass					Detector			PK		
OdB Bandwidth	1.244MHz											
			1 [T1 n			BW	30 k		7 Att	20 dB		
Ref Lvl		ndB	.20 1.244488	00 dB		BW	100 k			-J.D	_	
10 dBm		BW :	1.244488	98 MHZ	۵	TW	8.5 m	s UI	nit 	dBn	n =	
				1			v ₁	[T1]	1	.54 dBm	A	
0				X					2.47984	669 GHz		
				Λ	\		ndi	3	20	.00 dB		
			~~~	W 1	m		$M$ $\frac{BW}{X}$	[ 17 ]	1.24448	898 MHz		
-10				<del>V'</del>		**	V/,		2.47938	377 GHz	ĺ	
		T	<b>/</b> ~				$oldsymbol{ abla}_{\mathrm{T}}$	Г2 <b>7</b> [Т1]	-18			
-20		/							2.48062	826 GHz		
1MAX											1RI	
-30												
-40		/W						J.V.		My		
-50										~~~		
-60												
-70											-	
-80												
-90 Center 2	.48 GHz	Z		300	kHz/				Spa	n 3 MHz	1	

Report No.: TW2403145-01E Page 36 of 45

Date: 2024-04-17



#### 10.0 FCC ID Label

#### FCC ID: 2AHN6-AUBO202

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:



Report No.: TW2403145-01E Page 37 of 45

Date: 2024-04-17



#### 11.0 Photo of testing

11.1



Page 38 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



#### Radiated emission test view



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

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#### 11.2 Photographs – EUT



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0 eo eo eo ao so so 10 500 ao 80 10 eo eo eo 40 30 50 10 100 ao 80 10 eo eo eo 10 30 50 9

Page 40 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



Outside View



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Page 41 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



Outside View



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Page 42 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



Outside View





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Page 43 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



Inside View





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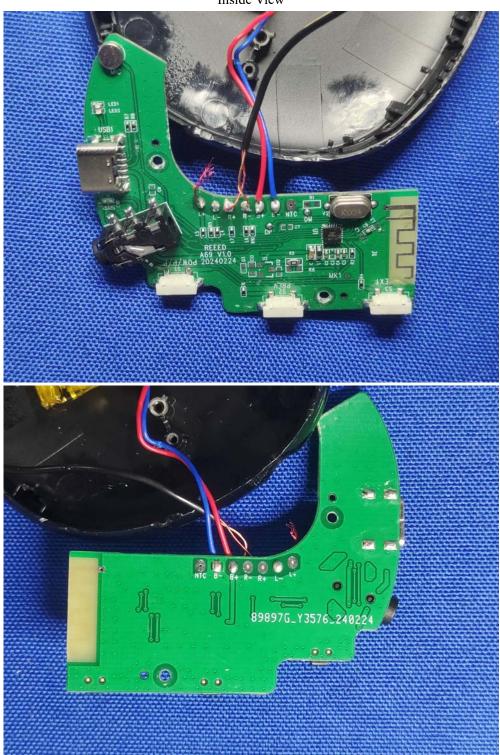
Page 44 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



Inside View



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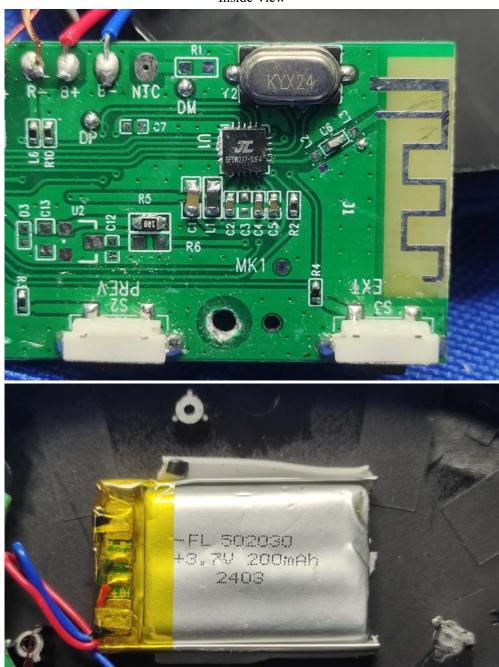
Page 45 of 45

Report No.: TW2403145-01E

Date: 2024-04-17



Inside View



-- End of the report--

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