

Report No.: TW2408220-01E

Applicant: Bytech NY Inc.

Product: Bluetooth headphone

Model No.: HM-AU-BO-302, HM-AU-BO-204, TX-58, A69A

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

Manager

Dated: September 03, 2024

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

SHENZHEN TIMEWAY TESTING LABORATORIES

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

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

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Special Statement:

FCC-Registration No.: 744189

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

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

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

A2LA (Certification Number:5013.01)

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

CAB identifier: CN0033

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Test Report Conclusion

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

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11.0

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FCC ID Label....

Photo of Test Setup and EUT View....

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Bytech NY Inc.

Address: 2585 West 13th Street, Brooklyn NY 11223 New York, NY 11223

1.3 Description of EUT

Product: Bluetooth headphone
Manufacturer: Bytech NY Inc.

Address: 2585 West 13th Street, Brooklyn NY 11223 New York, NY 11223

Trademark: Bytech, iHome Model Number: HM-AU-BO-302

Additional Model Name HM-AU-BO-204, TX-58, A69A

Rating: Input: 5Vdc

Battery: DC3.7V, 600mAh Li-ion battery

Serial No.: A69A202408

Hardware Version: V1.0 Software Version: V1.0

Operation Frequency: 2402-2480MHz

Modulation Type: GFSK, II/4DQPSK

Number of Channels: 79 Channel Separation: 1MHz

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

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2024-08-23 to 2024-09-03

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1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty =6.0dB

Occupied Channel Bandwidth Uncertainty = 5%

Conducted Emissions Uncertainty =3.6dB

Note: The measurement uncertainty is for coverage factor of k=2 and a level of confidence of 95%.

1.7 Test Engineer

The sample tested by

Print Name: Andy Xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100253	2024-07-12	2025-07-11
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2024-07-12	2025-07-11
Loop Antenna	EMCO	6507	00078608	2022-07-18	2025-07-17
Spectrum	R&S	FSIQ26	100292	2024-07-12	2025-07-11
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2022-07-18	2025-07-17
Horn Antenna	R&S	BBHA 9120D	9120D-631	2022-07-18	2025-07-17
Power meter	Anritsu	ML2487A	6K00003613	2024-07-12	2025-07-11
Power sensor	Anritsu	MA2491A	32263	2024-07-12	2025-07-11
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2022-07-18	2025-07-17
9*6*6 Anechoic			N/A	2022-07-26	2025-07-25
EMI Test Receiver	RS	ESVB	826156/011	2024-07-12	2025-07-11
EMI Test Receiver	RS	ESCS 30	834115/006	2024-07-12	2025-07-11
Spectrum	HP/Agilent	E4407B	MY50441392	2024-07-12	2025-07-11
Spectrum	RS	FSP	1164.4391.38	2024-07-12	2025-07-11
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	-	2024-07-12	2025-07-11
RF Cable	Zhengdi	7m		2024-07-12	2025-07-11
Pre-Amplifier	Schwarebeck	BBV9743	#218	2024-07-12	2025-07-11
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2024-07-12	2025-07-11
LISN	SCHAFFNER	NNB42	00012	2024-07-12	2025-07-11
ESPI Test Receiver	R&S	ESPI 3	100379	2024-07-12	2025-07-11
LISN	R&S	EZH3-Z5	100294	2024-07-12	2025-07-11

2.2 Automation Test Software

For Conducted Emission Test

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

For Radiated Emissions

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

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3.0 Technical Details

3.1 Summary of test results

The FIIT	hac boon	tostad ac	carding to	s tha fal	lowing	specifications:
1116 120 1	Has Deeli	testeu ac	corume a	, wie iw	10 11 11 12	SUCCINCALIONS.

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.203	Antenna Requirement	Pass	Complies
FCC Part 15, Paragraph 15.207	Conducted Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(a) & 15.249(b) Limit	Field Strength of Fundamental	Pass	Complies
FCC Part 15, Paragraph 15.209	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies
FCC Part 15.215(c)	20dB bandwidth	Pass	Complies

3.2 Test Standards

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

4.0 EUT Modification

No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

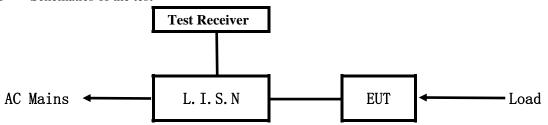
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5.0 Power Line Conducted Emission Test

5.1 Schematics of the test

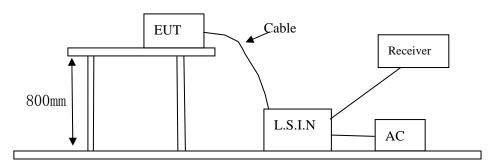


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

79 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID	
Bluetooth headphone	Bytech NY Inc.	HM-AU-BO-302,	2AHN6-AUBO302	
Bruetooth headphone	Bytech NT Inc.	HM-AU-BO-204, TX-58, A69A		

B. Internal Device

Device Manufacturer	Model	FCC ID/DOC	
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NT/A		
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	Aver ge Level		
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*		
$0.50 \sim 5.00$	56.0	46.0		
5.00 ~ 30.00	60.0	50.0		

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies
- 5.6 Test Results:

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

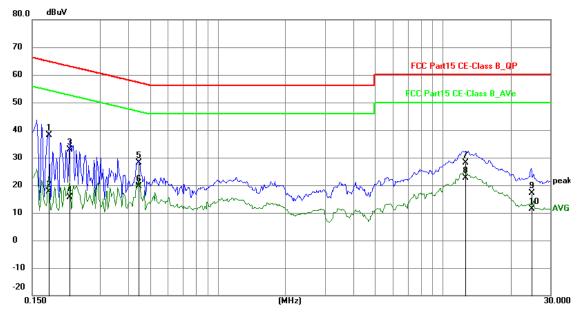
EUT Operating Environment

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

EUT set Condition: 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	28.32	9.77	38.09	64.61	-26.52	QP	Р
2	0.1773	7.95	9.77	17.72	54.61	-36.89	AVG	Р
3	0.2202	23.21	9.75	32.96	62.81	-29.85	QP	Р
4	0.2202	5.93	9.75	15.68	52.81	-37.13	AVG	Р
5	0.4464	18.40	9.77	28.17	56.94	-28.77	QP	Р
6	0.4464	9.92	9.77	19.69	46.94	-27.25	AVG	Р
7	12.6330	17.97	10.28	28.25	60.00	-31.75	QP	Р
8	12.6330	12.35	10.28	22.63	50.00	-27.37	AVG	Р
9	24.6723	6.16	10.97	17.13	60.00	-42.87	QP	Р
10	24.6723	0.31	10.97	11.28	50.00	-38.72	AVG	Р

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

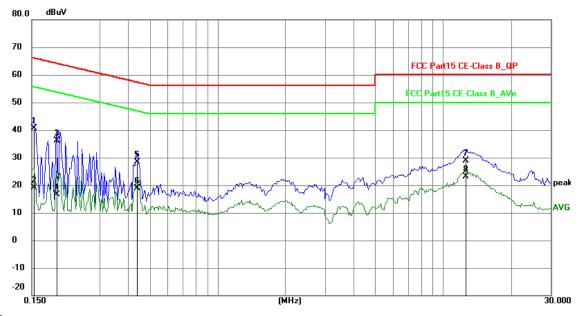
EUT Operating Environment

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

EUT set Condition: 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	30.76	9.78	40.54	65.79	-25.25	QP	Р
2	0.1539	9.46	9.78	19.24	55.79	-36.55	AVG	Р
3	0.1929	26.30	9.75	36.05	63.91	-27.86	QP	Р
4	0.1929	6.76	9.75	16.51	53.91	-37.40	AVG	П
5	0.4386	18.54	9.77	28.31	57.09	-28.78	QP	Р
6	0.4386	8.99	9.77	18.76	47.09	-28.33	AVG	Р
7	12.6174	18.66	10.28	28.94	60.00	-31.06	QP	Р
8	12.6174	12.88	10.28	23.16	50.00	-26.84	AVG	Р

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6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 9kHz to 25 GHz was investigated. The frequency spectrum is set as follows:

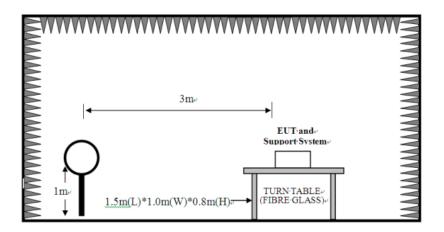
Frequency	Detector	RBW	VBW	Value
9KHz-150KHz	Quasi-peak	200Hz	600Hz	Quasi-peak
150KHz-30MHz	Quasi-peak	9KHz	30KHz	Quasi-peak
30MHz-1GHz	Quasi-peak	120KHz	300KHz	Quasi-peak
Above 1GHz	Peak	1MHz	3MHz	Peak
ADOVE IGHZ	Peak	1MHz	10Hz	Average

(Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.

- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz

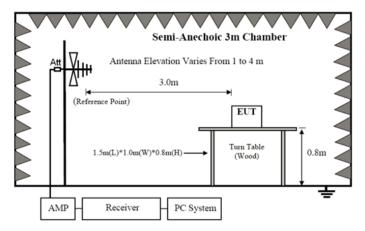


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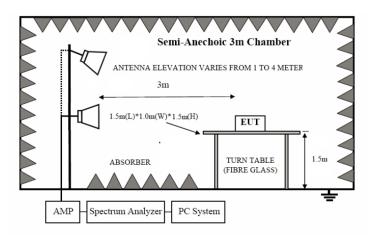
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of the EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition

 Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

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

Fundamental Frequency	Field Strength of Fundamental (3m) Field Strength of Harmonics (
(MHz)	mV/m	dBuV/m	uV/m	dBuV/m	

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2400-2483.5 50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)
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Note:

- 1. RF Field Strength $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

	<u> </u>	
Frequency Range (MHz)	Distance (m)	Field strength (dB µ V/m)
0.009-0.490	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 5. The two modulation modes of GFSK, Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.
- 6. Battery was fully charged during test

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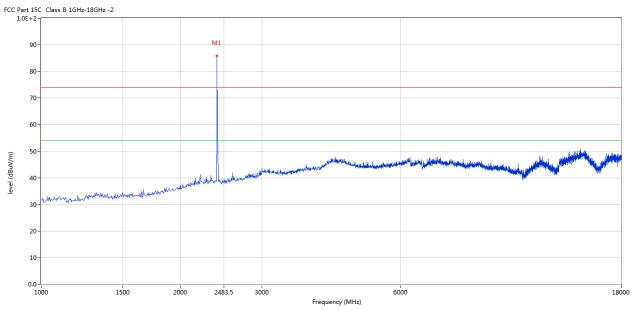


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



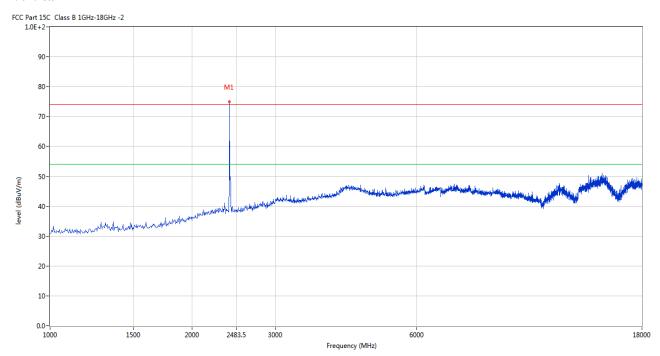
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	85.80	-3.57	114.0	-28.20	Peak	255.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	74.91	-3.57	114.0	-39.09	Peak	360.00	100	Vertical	Pass

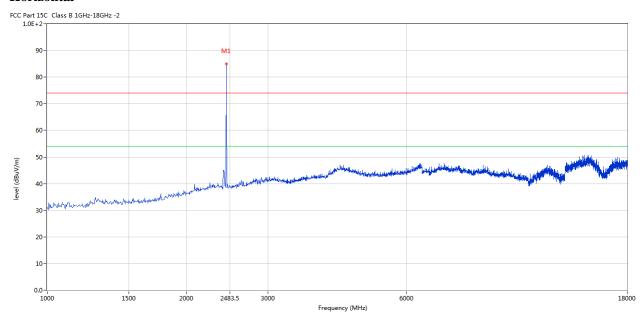
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



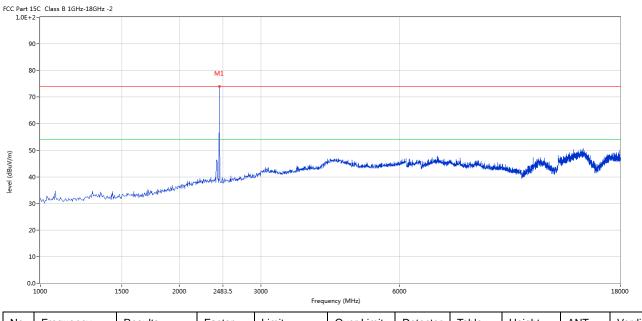
Ī	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
Ī	1	2441	84.90	-3.57	114.0	-29.10	Peak	244.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	73.99	-3.57	114.0	-40.01	Peak	360.00	100	Vertical	Pass

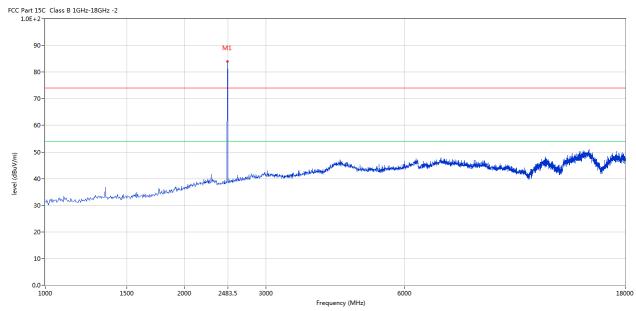
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



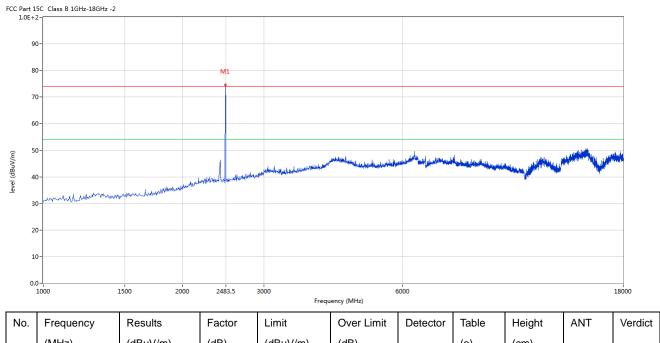
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	84.08	-3.57	114.0	-29.92	Peak	273.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	74.62	-3.57	114.0	-39.38	Peak	355.00	100	Vertical	Pass

Note: (1) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

- (2) Margin=Emission-Limits
- (3) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (4) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, It is only the floor noise and less than the limit for more than 20dB. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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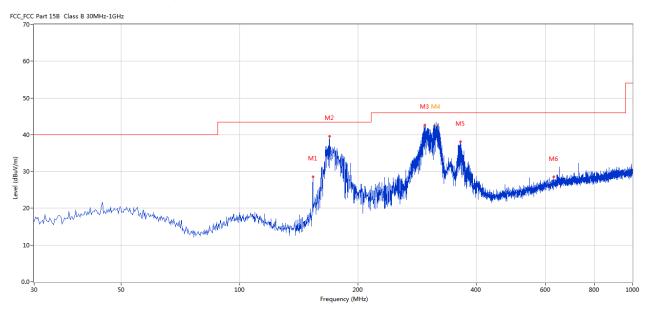


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	153.644	28.53	-16.85	43.5	14.97	Peak	334.00	100	Horizontal	Pass
2	169.403	39.64	-16.09	43.5	3.86	Peak	344.00	100	Horizontal	Pass
3	296.198	42.66	-11.07	46.0	3.34	Peak	56.00	100	Horizontal	Pass
4*	316.078	42.62	-10.79	46.0	3.38	QP	64.00	100	Horizontal	Pass
5	365.051	38.08	-9.46	46.0	7.92	Peak	258.00	100	Horizontal	Pass
6	630.765	28.54	-4.94	46.0	17.46	Peak	26.00	100	Horizontal	Pass

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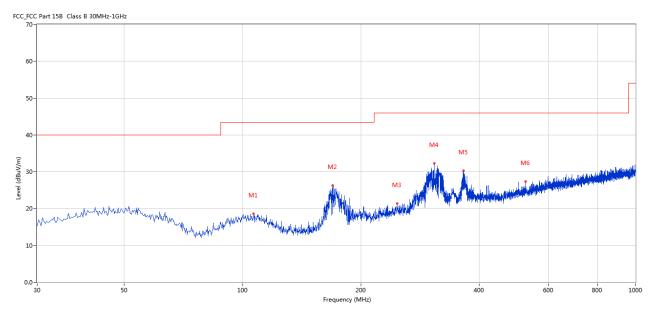


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	106.611	18.58	-13.36	43.5	24.92	Peak	360.00	100	Vertical	Pass
2	169.403	26.31	-16.09	43.5	17.19	Peak	244.00	100	Vertical	Pass
3	247.468	21.41	-12.11	46.0	24.59	Peak	123.00	100	Vertical	Pass
4	307.108	32.27	-10.98	46.0	13.73	Peak	285.00	100	Vertical	Pass
5	365.051	30.28	-9.46	46.0	15.72	Peak	345.00	100	Vertical	Pass
6	525.789	27.37	-6.54	46.0	18.63	Peak	132.00	100	Vertical	Pass

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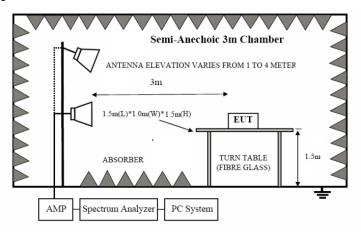


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7. 2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

7.3 Configuration of the EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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

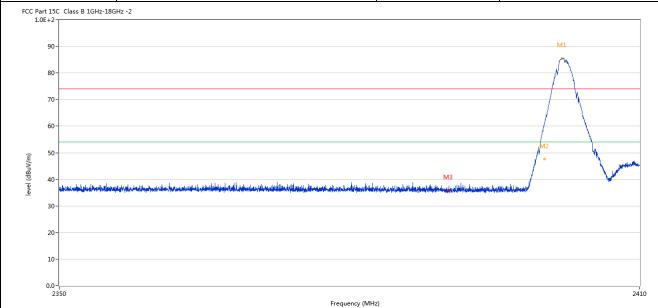
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7.6 Test Result

Product:	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)		(o)	(cm)		
1	2401.902	85.46	-3.57	74.0	11.46	Peak	250.00	100	Horizontal	N/A
2	2400.057	61.09	-3.57	74.0	-12.91	Peak	250.00	100	Horizontal	Pass
2**	2400.057	47.65	-3.57	54.0	-6.35	AV	250.00	100	Horizontal	Pass
3	2390.070	36.01	-3.53	74.0	-37.99	Peak	354.00	100	Horizontal	Pass

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J	Product:	I	Bluetooth h	eadphone		Detect	or		Vertical	
	Mode	k	Keeping Tra	ansmitting		Test Volt	age		DC3.7V	
Te	mperature		24 deg	g. C,		Humid	ity	56% RH		
Te	est Result:		Pas	SS						
CC Par 1.0i	t 15C Class B 1GHz-18GH E+2-	z -2								
	80-								M1	
	60-									
								MX.	· · · · · · · · · · · · · · · · · · ·	
(m//m)	50-					W				A PARTIE AND A STATE OF THE PARTIES.
level (dBuV/m)	40-	hamaka daga salah daga daga salah	eriodisalisaene eriodise en er	owner-linearly releases amelick become	ill saam dayn ee saadh een wilayya aadkan sidaa ya	M3	densels kleiner sich besie rset e	historiumerineteeste		and the second
level (dBuV/m)	40-	البرهاء المصادعة إعالي أوراط أبار المصاديع المصا	ini di sama da da ini da da in	en zailen zu freihade generalisch flesswiss	ili biran dan ari sadira, nika pandika Pilan ya		desp ésa l est del par cert	dishlorumensasiyatar		garage and the second
	40	المراجعة والمراجعة و	enindisələriy danlırılı dalışırılır. mə		requency (MHz)		dengsi salawan dahilasa wasi n	desklar en areast kestad		2410
	40	Results	Factor				Table	Height	ANT	ı
	30			F	requency (MHz)	dipydd etholig, e _n gele o			ANT	ı
lo.	30 - 20 - 2350 Frequency	Results	Factor	Limit	requency (MHz) Over Limit	dipydd etholig, e _n gele o	Table	Height	ANT	ı
(m/ngp) javaj	20- 10- 2350 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit	Detector	Table (o)	Height (cm)		Verdid N/A Pass

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Product:		Bluetooth	headphone		P	olarity		Horizont	al	
Mode		Keeping 7	Transmitting		Test	Voltage		DC3.7V	7	
Temperature		24 d	leg. C,		Нι	ımidity		56% RH		
Test Result:		P	'ass							
C Part 15C Class B 1GHz-18GH: 1.0E+2-	: -2									
90-		M1								
80-		MI MI	'							
70-										
60 -										
50-	/	,	M ₂							
40-	the contract of the state of th		•	A PART OF THE PROPERTY OF THE PARTY OF THE P	والمعلاوة والمعارفة المعاودة الداني	100 de 30 de desentar esperie, in cuip de	معادل والعاد والعجودة ووالعوالية المنطقة	ang kilipa da pang kanang pang kanang pang kanang pang pang pang pang pang pang pang	nederly with their	
30-										
20-										
10-										
10-										
0.0-2470			2483.5	; Frequency (MHz)					2500	
0.0-\ 2470	Results	Factor			Detector	Table	Height	ANT	2500 Verdi	
0.0-	Results (dBuV/m)	Factor (dB)	1	Frequency (MHz)	Detector	Table (o)	Height (cm)	ANT		
No. Frequency			Limit	Over	Detector		_	ANT Horizontal		

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]	Product:]	Bluetooth l	neadphone		Detec	tor		Vertical	
	Mode		Keeping Tr	ansmitting		Test Vo	ltage		DC3.7V	
Te	emperature		24 de	g. C,		Humio	dity		56% RH	
Te	est Result:		Pa	SS						
	rt 15C Class B 1GHz-18G DE+2-	Hz -2						•		
	90-									
	80-		-	M1						
	70-		N	^ _						
	60			W.						
				7						
	60-			1						
(m//	50-			Man de la companya de						
i (dBuV/m)	50-			M _M M ₂	new tell of the control of the contr					al u
level (dBuV/m)	40-	Marking the right of the special that a special specia		M _M M _M	in Maydalin valenda garjabban pajakan in pila	يتطريبا موساية بالموساية بالموساية والموساية و	يذ حصالة الإسلامة علية والإسرامة	ر معلق عام دعم درجونس توانس توانس فوادد بادر	and the special control of the special contro	h para di kasa
level (dBuV/m)	50-	الإنجار أوافيا والمراجعة والمائرة المطروعية والمراجعة المراجعة المراجعة والمائرة المطروعية والمراجعة المراجعة		MA MA	- Wayddinna'r ada gantaiwn ei radiaeir an	iidustaan ja ja talaan ka ja	terpsiled with despitions is	ىرىنىنى يىلىنىدىنى ئىلىنىدىنى ئىلىنىدىنى ئىلىنىدىنى ئىلىنىدىنى ئىلىنىدىنى ئىلىنىدىنى ئىلىنىدىنى ئىلىنىدىنى ئىل ئىلىنى ئىلىنى ئىلىن	أرياب وجاميد المراول ورايات بالموادلون	n jagan stilanna stara ays
level (dBuV/m)	40-	المراجعة والمراجعة و		MAN MAN	innskingslikkrissis palikasi dalamet kidelaminyan	Helustrapop d Helustrapo por la principa de la Periodo	derge filmle sign delegen in see	ميطر لجويد وماملون بالم	العربية والموافقة ال	, personal descriptions of the second
level (dBuV/m)	50- 40- 44	N. Pirot digital regile reliated and section productional and section productions and the section production and the section prod		MM2	Magdallernal radio gravinal unestralistica de la constitución de la co	differenți deligenți de deligenț	terfelded a jabelasteiluse a	والمستعددة	adingka proping dipendence denormal	A post of the second se
level (dBuV/m)	30- 20-	المراجعة والمراجعة و		MAN MAN		idektranekkidegerosikarikba	destropled a spidelike te se	ريان المراجعة	ading the fire free distribution of the resident of the reside	han should and
level (dBuV/m)	50- 40- 30- 20-	१९६८मी होत्स्य क <mark>्ष</mark> णे नंत्रां का कार्यों के कंत्रकार क्षणे		2483.		itterenen in der eine eine eine eine eine eine eine ei	destroklarikasi kalentilasi kalentilasi ka	rekitikibeleptiripewa ekultibel	addisplacetoris in the section of th	2500
level (dBuV/m)	30 - 20 - 10 - 0.0 -	Results	Factor	2483.	5	Detector	Table	Height	aline un alberta da mente de la mente de l	2500
	30 - 20 - 10 - 2470		Factor (dB)	1	5 Frequency (MHz)					2500
	30- 20- 10- 2470	Results		Limit	5 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. The two modulation modes of GFSK, Pi/4D-QPSK were tested. And only the worst case was recorded in the test report. GFSK was the worst case.

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8.0 Antenna Requirement

Applicable Standard

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

This product has a PCB antenna with gain -0.58dBi maximum. It fulfills the requirement of this section.

Test Result: Pass

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9.0 20dB Bandwidth Measurement

Test Configuration



Test Procedure

The transmitter output was connected to the spectrum analyzer through an attenuator. The bandwidth of the fundamental frequency was measured by spectrum analyzer with 30kHz RBW and 100kHz VBW.

The 20dB bandwidth is defined as the total spectrum the power of which is higher than peak power minus 20dB.

Limit

N/A

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Test Result

Product:	Bluetoo	oth headp	hone		T	est Mode:		Keep tran	nsmitting	
Mode	Keepin	g Transm	nitting		Те	est Voltage		DC3	5.7V	
Temperature	24	4 deg. C,			I	Humidity	56% RH			
Test Result:		Pass]	Detector		P	K	
dB Bandwidth	884kHz									
	Marker 1	L [T1 r	ndB]	R	BW	30 k	Hz R	F Att	20 dI	3
Ref Lvl	ndB		.00 dB	V	BW	100 k				
10 dBm	BW 883	. 767535	507 kHz	S	WT	8.5 m	s U	nit	dI	3m
						v ₁	[T1]	-:	3.87 dE	3m.
								2.40188	878 GH	
0			1			ndE		20	0.00 dE	
			//~	$^{\prime}$	\	BW ▽ _{T1}	88 [T1]	3.76753 - 2	3507 kH 3.50 dE	
-10					4		<u> </u>	2.40160		
			\mathcal{N}		Ĭ	$\bigvee_{\mathbf{T}}$	[T1]	-23	3.62 dE	
-20		T1				VT2		2.40248	397 GH	
1MAX						\sim				11
-30	/	\$,	<u></u>			
							L ₁			
-40	M. /							M		
50	V						\		my .	
-60 M/M									- Calcley	~
-70										-
-80										
-90										

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FSK Product:		Blueto	oth headpl	one		т	est Mode:		Keen tre	ansmitting		
Mode										23.7V		
			g Transmi	шіі		+	est Voltage	;				
Temperature			4 deg. C,			+	Humidity		56% RH PK			
Test Result:		Pass					Detector					
20dB Bandwidth	884kHz											
	Marker 1 [T1 ndB] ndB 20.00 dB BW 883.76753507 kHz					RBW 30 kF			F Att	20 dB		
Ref Lvl						/BW	100 k				_	
10 dBm		BW 883	5.767535	OU / KHZ		SWT	8.5 m	s u	nit	dBm	1	
							v ₁	[T1]	- 4	.39 dBm	A	
									2.44088	878 GHz		
0				1			ndF	3	20	.00 dB		
				\sim	Λ,	Λ	BW ▽ _T :		3.76753	507 kHz		
-10					\vee		V .Tr.	[T1]_	2.44060	.96 dBm		
				\sim		l	V _{T1}	[T1]	-24	.50 dBm		
-20			T1 /	/			MT 2		2.44148	397 GHz		
1MAX											1M2	
-30							\	۸				
		~	$ \wedge^{\prime} $									
-40	\wedge	~ _							m			
-50	$ \sqrt{} $	V						Ĭų.		Μ.		
-60										When the	1	
-70												
-80												
-90 Center 2	.441 GH	łz		300	kHz,	/			Spa	ın 3 MHz	ļ	
	aug.2				,							

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FSK Product:		Plueto	oth haadal	1010		т	Test Mode:		Kaan tro	nemitting		
			oth headpl			_				nsmitting		
Mode			g Transmi	uing		+	est Voltage			3.7V		
Temperature		24	4 deg. C,			+	Humidity			6 RH		
Test Result:			Pass			-	Detector	PK				
0dB Bandwidth	866kHz											
<u> </u>		Marker				RBW	30 k		z RF Att 20 dB			
Ref Lvl	ndB 20.00 dB					/BW	100 k			_		
10 dBm		BW 865	5.731462	93 kHz	5	SWT	8.5 m	s U	nit	dBm	1	
10							v ₁	[T1]	- 4	.93 dBm	A	
									2.47988	878 GHz	-	
0				<u>1</u>			ndE	i	20	.00 dB		
				Λ_{\sim}	\wedge	Λ	BW		5.73146			
-10					$\vdash \forall$	h	$ abla_{\mathrm{Tl}}$	[T1]	-24	.25 dBm		
						ſ	V	T1]	2.47960	020 GHz		
-20			m1 C	ſ			\\\\	. [11]	2.48046	593 GHz	ĺ	
1MAX			7				ALS.				1M2	
-30								^-				
		<i>ک</i> م	^					4				
-50	~								\sim			
		V						4		Λ.		
-60										annin M		
-70												
-80												
-90 Center 2	r 2.48 GHz 300			300	kHz/	/			Spa	n 3 MHz		
Date: 29	29.AUG.2024 13:38:11											

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Product:		Blueto	ooth headp	hone		T	est Mode:	e: Keep transmitting			
Mode			ng Transm			1	est Voltage		DC3		
Temperature			24 deg. C,			_	Humidity		56%		
Test Result:		<u> </u>	Pass			Detector			Pl		
OdB Bandwidth		1	.263MHz								
`	l.			BW	30 k	Hz Ri	F Att	20 dB			
Ref Lvl						BW	100 k				
10 dBm		BW 1	.262525	05 MHz	S	WT	8.5 m	s Uı	nit	dBn	n
10							v ₁	[T1]	_ 1	.94 dBm	1
									2.40188	8878 GHz	1
0				1			ndH		20	0.00 dB	
				\wedge	\wedge		BW		1.26252		
-10				L/W	- Vw	\ /	∨ _{T1}	[T1]	-24 2.40141	984 GHz	
			\\\\\			\vee	T ₁	[T1]	-24		
-20		7	<u> </u>					T2	2.40268	3236 GHz	-
1MAX		/	y								11
-30											
-40	, ^\								\		
-50	V								, M	M	
-60											
70											
-80											
-90											
Center 2.4	02 GH	Iz		300	kHz/		<u> </u>		Spa	an 3 MHz	선

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Л/4DQPSK											
Product:		Blueto	oth headph	none		Γ	est Mode:		Keep tra	ansmitting	
Mode		Keepin	g Transmi	tting		To	est Voltage	;	DC	3.7V	
Temperature		2	4 deg. C,]	Humidity		56%	% RH	
Test Result:			Pass				Detector		I	PK	
20dB Bandwidth		1.220MHz									
Ŕ		Marker	1 [T1 n	ndB]	R	.BW	30 k	Hz R	F Att	20 dB	
Ref Lvl		ndB		00 dB		BW	100 k				
10 dBm		BW 1	.220440	088 MHz	S	WT	8.5 m	s Ui	nit	dBm	
							v ₁	[T1]	- 4	.43 dBm	A
0									2.44088	878 GHz	
				1			ndB	3	20	.00 dB	
				\land	\wedge		BW ∇ _{T1}	L [T1]	1.22044	088 MHz	
-10				\ \ \ \ \		~ /	~\\		2.44042		
			\^\v	U ^s		8	A^{T}	2 [T1]	-24	.46 dBm	
-20		ŗ	rJ [~]					T2	2.44164	629 GHz	1MA
-30			J					1			IMA
-40	<u> </u>	\mathcal{N}						lum l	\wedge		
-50	M	*							W. M	W/\	
-60										V	
-70											
-80											
-90 Center 2	.441 G	Hz		300	kHz/				Spa	ın 3 MHz	
Date: 29	9.AUG.2	024 13	:40:51								

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Product: Bluetooth headpho Mode Keeping Transmitti			ione]]	Test Mode:	Keep transmitting			
Mode	Keep	ing Transmi	tting	Т	est Voltage		DC	3.7V	
Temperature		24 deg. C,			Humidity		56%	6 RH	
Test Result:		Pass			Detector	PK			
dB Bandwidth		1.257MHz							
	Marke	r 1 [T1 r	ndB]	RBW	30 kH	z RI	7 Att	20 dB	
Ref Lvl	ndB	20.	00 dB	VBW	100 kH	z			
10 dBm	BW	1.256513	303 MHz	SWT	8.5 ms	Ur	nit	dBm	1
10					v ₁ [T1]	- 4	.95 dBm	Z
							2.47988	878 GHz	
0			1		ndB		20	.00 dB	
			\wedge	\wedge	$oldsymbol{ abla}_{ ext{T1}}$	[T1]	1.25651	303 MHz	
-10				m.	~ \(\)_	1 4 4 1	2.47941		
		\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		\sim	√√J\2	[T1]	-24	.72 dBm	
-20		71			1	Т2	2.48067	635 GHz	
1MAX		V				7			1N
-30									
-40									
-50	$A \nearrow A$					~	$\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ $		
							~ ~ ~		
-60									
-70									
-80									
-90 Center 2.4				kHz/				ın 3 MHz	ļ

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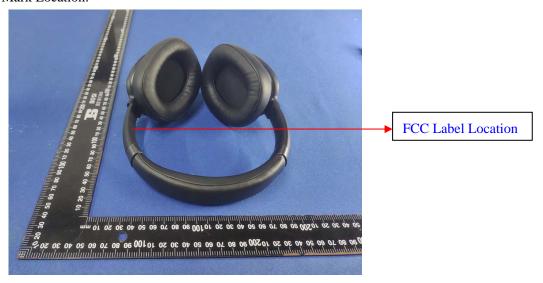


10.0 FCC ID Label

FCC ID: 2AHN6-AUBO302

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

Mark Location:



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11.0 Photo of testing 11.1 Conducted test View



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Radiated emission test view



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

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11.2 Photographs - EUT

Outside View





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Outside View





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Inside View





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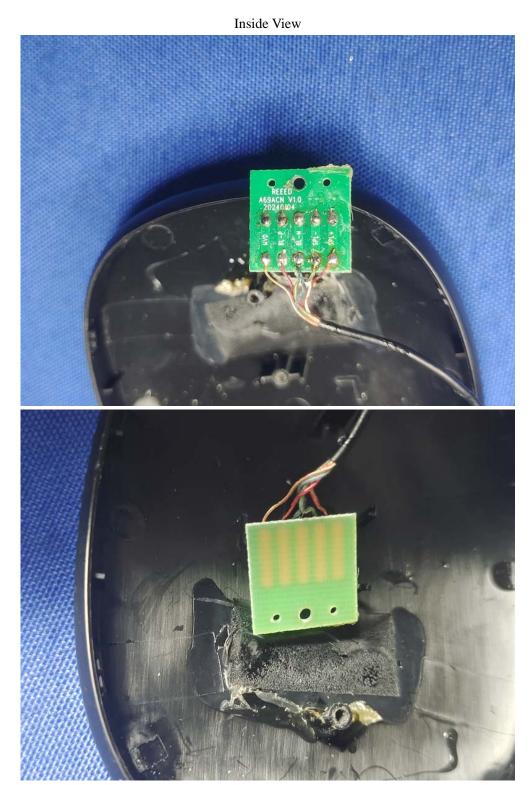
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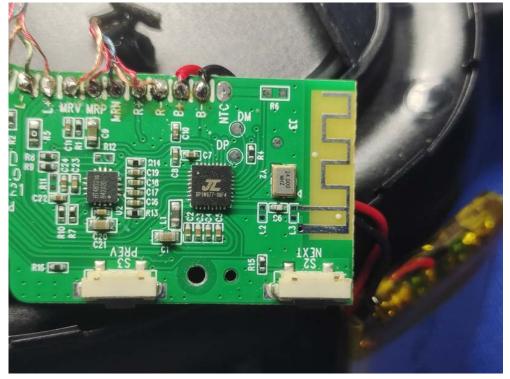
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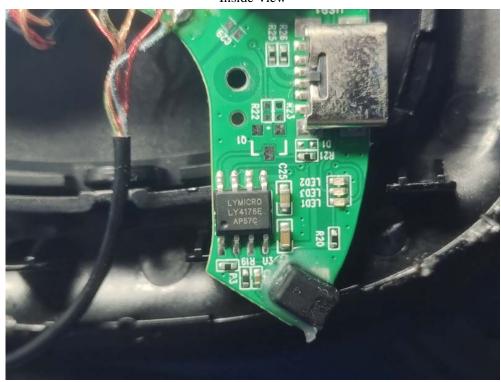
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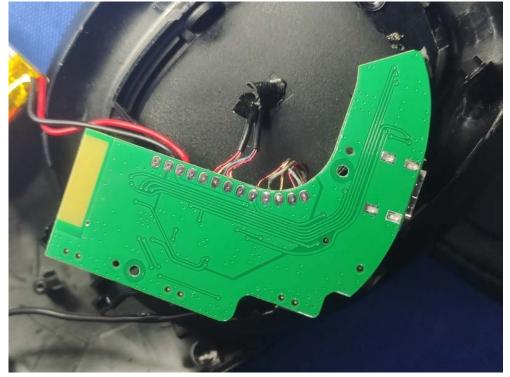
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Inside View



-- End of the report--