



Report No.: TW2112114E File reference No.: 2022-01-04

Applicant: TECHNOFASHION INC.

Product: WIRELESS EARPHONE

Model No.: NTWS05

Trademark: N/A

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

Jack Chung

Jack Chung

Manager

Dated: January 04, 2022

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:

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 17025:2005 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

Date: 2022-01-04



Test Report Conclusion

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

11.0

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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: TECHNOFASHION INC.

Address: 127, Kingsland Ave, Clifton, NJ, USA, 07014

Telephone: +1 (973) 866 7373

Fax: --

1.3 Description of EUT

Product: WIRELESS EARPHONE
Manufacturer: TECHNOFASHION INC.

Address: 127, Kingsland Ave, Clifton, NJ, USA, 07014

Trademark: N/A
Additional Trademark: N/A
Model Number: NTWS05
Additional Model Name N/A
Hardware Version: V130-P1

Software Version: 113-V1-210520 Serial No.: NTWS05202107

Rating: DC5V input or Built-in DC3.7V, 30mAh Li-ion battery for earphones and DC5V

input or Built-in DC3.7V, 300mAh Li-ion battery for charger base

Modulation Type: GFSK, Pi/4D-QPSK (Bluetooth)

Operation Frequency: 2402-2480MHz

Channel Separate: 1MHz Channel Number: 79

Antenna Designation Chip antenna with gain 2.20dBi maximum for both left earphone and right

earphone (Get from the antenna specification provided by the Manufacturer)

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1.4 Submitted Sample: 2 pc

1.5 Test Duration

2021-12-09 to 2022-01-04

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

Terry Tang

The sample tested by

Print Name: Terry Tang

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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	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100294	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100253	2021-06-18	2022-06-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2021-06-18	2022-06-17
Loop Antenna	EMCO	6507	00078608	2021-06-18	2024-06-17
Spectrum	R&S	FSIQ26	100292	2021-06-18	2022-06-17
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2021-07-02	2024-07-01
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2024-07-01
Power meter	Anritsu	ML2487A	6K00003613	2021-06-18	2022-06-17
Power sensor	Anritsu	MA2491A	32263	2021-06-18	2022-06-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2021-07-02	2024-07-01
9*6*6 Anechoic			N/A	2021-07-02	2022-07-01
EMI Test Receiver	RS	ESVB	826156/011	2021-06-18	2022-06-17
EMI Test Receiver	RS	ESH3	860904/006	2021-06-18	2022-06-17
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2021-06-18	2022-06-17
Spectrum	HP/Agilent	E4407B	MY50441392	2021-06-18	2022-06-17
Spectrum	RS	FSP	1164.4391.38	2021-01-16	2022-01-15
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	1	2021-06-18	2022-06-17
RF Cable	Zhengdi	7m	-	2021-06-18	2022-06-17
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05

2.2 Automation Test Software

For Conducted Emission Test

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

For Radiated Emissions

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

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:

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

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

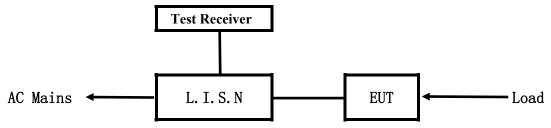
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

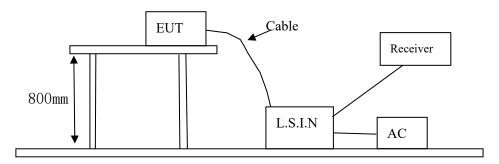


EUT: Equipment Under Test

5.2 Test Method and test Procedure

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

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



5.3 Configuration of the EUT

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

79 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID	
WIRELESS EARPHONE	TECHNOFASHION INC.	NTWS05	2AZBO-N00005	

B. Internal Device

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NT/A		
IN/A		
1 (/ 1 1		

C. Peripherals

Device	Manufacturer	Model	Rating

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:

Pass

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

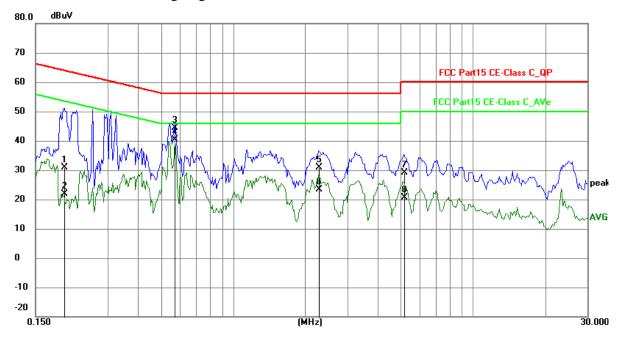
EUT Operating Environment

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 (dBu∀)	Margin (dB)	Detector	P/F
1	0.1968	21.12	9.75	30.87	63.74	-32.87	QP	Р
2	0.1968	12.09	9.75	21.84	53.74	-31.90	AVG	Р
3	0.5712	34.71	9.77	44.48	56.00	-11.52	QP	Р
4	0.5712	30.59	9.77	40.36	46.00	-5.64	AVG	Р
5	2.2755	21.17	9.81	30.98	56.00	-25.02	QP	Р
6	2.2755	13.51	9.81	23.32	46.00	-22.68	AVG	Р
7	5.1567	19.19	9.94	29.13	60.00	-30.87	QP	Р
8	5.1567	10.66	9.94	20.60	50.00	-29.40	AVG	Р

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

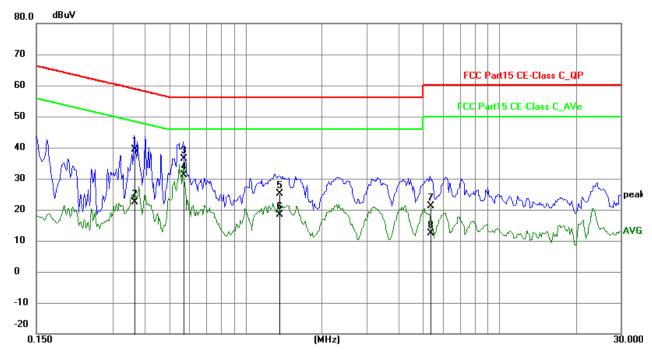
EUT Operating Environment

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



NI-	Frequency	Reading	Factor	Level	Limit	Margin	Datastas	DIE	
No.	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	Detector	P/F	
1	0.3645	29.60	9.76	39.36	58.63	-19.27	QP	Р	
2	0.3645	12.70	9.76	22.46	48.63	-26.17	AVG	Р	
3	0.5673	26.52	9.77	36.29	56.00	-19.71	QP	Р	
4	0.5673	21.46	9.77	31.23	46.00	-14.77	AVG	Р	
5	1.3629	15.43	9.79	25.22	56.00	-30.78	QP	Р	
6	1.3629	8.59	9.79	18.38	46.00	-27.62	AVG	Р	
7	5.3517	11.29	9.94	21.23	60.00	-38.77	QP	Р	
8	5.3517	2.41	9.94	12.35	50.00	-37.65	AVG	Р	

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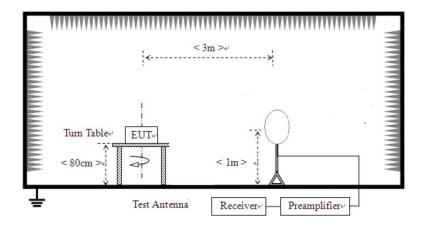


6 Radiated Emission Test

- 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 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

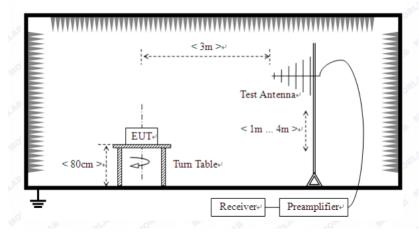
For radiated emissions from 9kHz to 30MHz



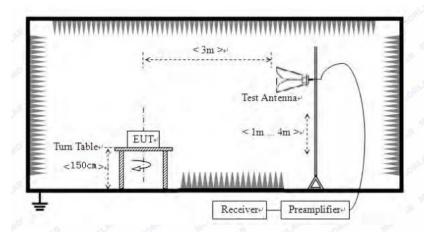
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For radiated emissions from 30MHz to1GHz



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.

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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			d Strength of Fundamental (3m)			trength of Harmo	onics (3m)
	(MHz)	mV/m	dBuV/m		uV/m	dBuV/m	
	2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note:

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

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

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.049	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
30-88	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. This is a handhold 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.
- 5. 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.
- 7. 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.

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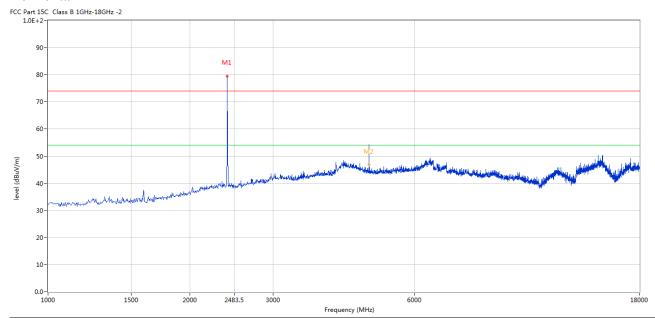


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



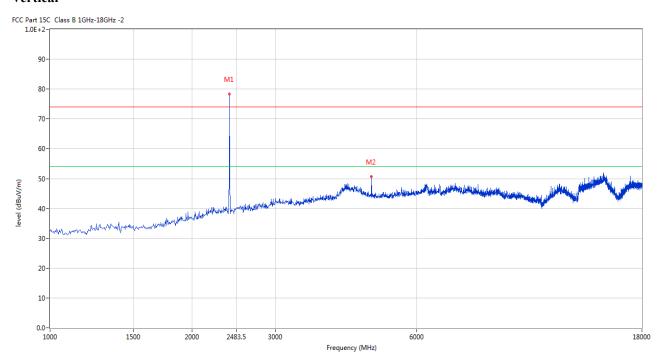
No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit			(cm)		
					(dB)					
1	2402.149	79.49	-3.57	114.0	-34.51	Peak	266.00	100	Horizontal	Pass
2	4802.799	54.21	3.12	74.0	-19.79	Peak	229.00	100	Horizontal	Pass
2**	4802.799	37.57	3.12	54.0	-16.43	AV	229.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	78.30	-3.57	114.0	-35.7	Peak	178.00	100	Vertical	Pass
2	4802.799	50.65	3.12	74.0	-23.35	Peak	183.00	100	Vertical	Pass

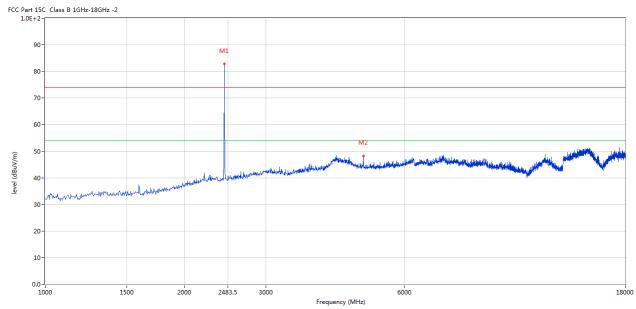
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal



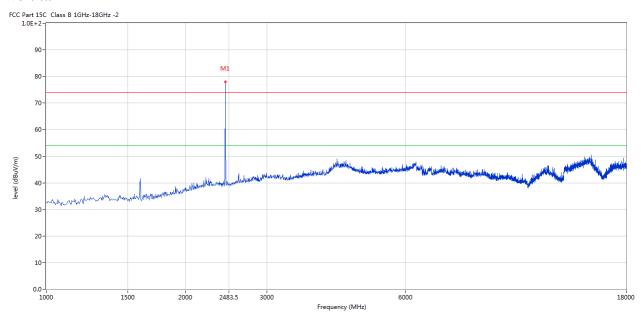
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2440.390	82.84	-3.57	114.0	-31.16	Peak	155.00	100	Horizontal	Pass
2	4879.280	48.27	3.20	74.0	-25.73	Peak	235.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2440.390	78.00	-3.57	114.0	-36.0	Peak	201.00	100	Vertical	Pass

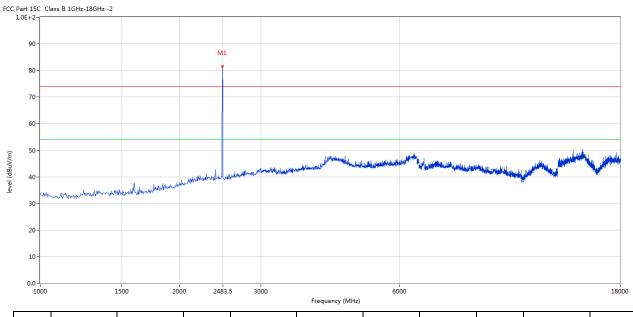
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
Ī	1	2479.630	81.61	-3.57	114.0	-32.39	Peak	207.00	100	Horizontal	Pass

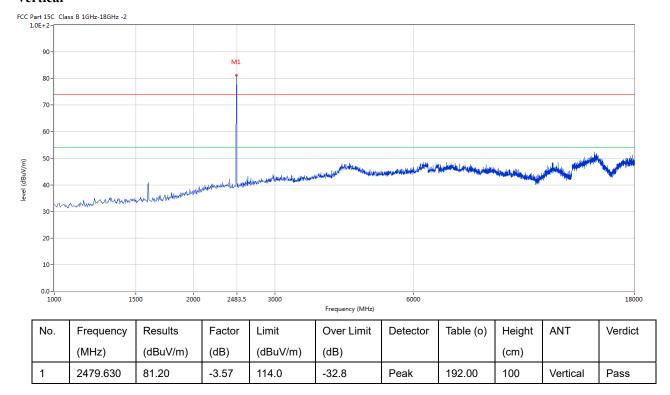
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Vertical



Note: (2) Emission Level = Reading Level + Antenna Factor + Cable Loss-Amplifier

- (3) Margin=Emission-Limits
- (4) According to section 15.35(b), the peak limit is 20dB higher than the average limit
- (5) For test purpose, keep EUT continuous transmitting
- (5) For emission above 18GHz and Below 30MHz, it is only the floor noise and much 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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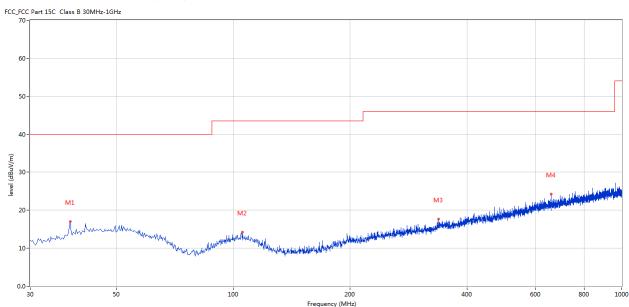


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	38.000	17.04	-12.74	40.0	-22.96	Peak	360.00	200	Horizontal	Pass
2	105.641	14.25	-13.27	43.5	-29.25	Peak	121.00	100	Horizontal	Pass
3	337.413	17.70	-9.83	46.0	-28.30	Peak	360.00	200	Horizontal	Pass
4	658.160	24.26	-4.48	46.0	-21.74	Peak	360.00	200	Horizontal	Pass

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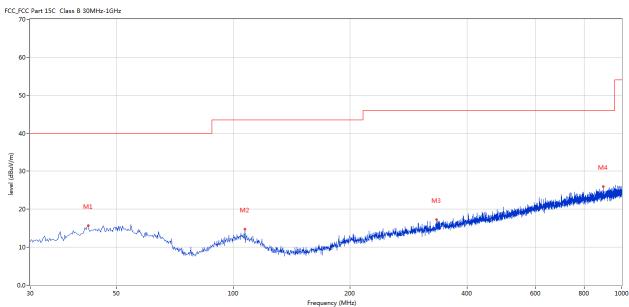


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	42.364	15.69	-11.59	40.0	-24.31	Peak	360.00	200	Vertical	Pass
2	107.096	14.81	-13.39	43.5	-28.69	Peak	216.00	200	Vertical	Pass
3	334.019	17.21	-10.04	46.0	-28.79	Peak	360.00	200	Vertical	Pass
4	895.751	25.92	-1.78	46.0	-20.08	Peak	60.00	200	Vertical	Pass

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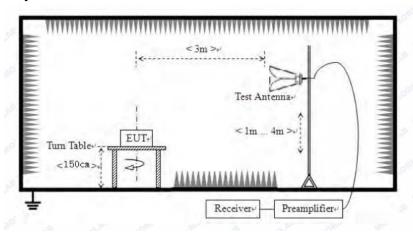
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7. Band Edge

7.1 Test Method and test Procedure:

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

7. 2 Radiated Test Setup



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

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

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

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

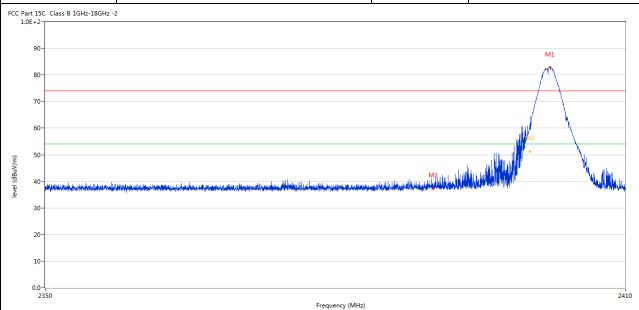
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7.6 Test Result

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



N	lo.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit			(cm)		
						(dB)					
2		2400.072	64.68	-3.57	74.0	-9.32	Peak	157.00	100	Horizontal	Pass
2	**	2400.072	51.18	-3.57	54.0	-2.82	AV	157.00	100	Horizontal	Pass
3		2390.010	37.25	-3.53	74.0	-36.75	Peak	144.00	100	Horizontal	Pass

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Produ	luct:	W	VIRELES	SS EARPHO	ONE	Detec	tor		Vertical	
Mod	ode		Keeping	g Transmitti	ng	Test Vo	ltage		DC3.7V	
Temper	erature		24	deg. C,		Humio	dity	;	56% RH	
Test Re	Result:			Pass						
Part 15C Class	ss B 1GHz-18GHz	-2								
90-									M1	
80-									/^	
70-										
60-								.,	/\	
								11	1	
EQ.								. 1/2	2	
50-			- In				мз		2	
	horpotenting and hope death, i	aliya dalika wala gadaliya ka ah		hadiya da	لإسلام المعالية المعالية	ومناها العالمة المراقع	M3		2	hallhad
	haysibash industrial district	Aliya dastrasi wana ga dalaya da gaba	anternal anterior spirit of spirit o	aliyasa di <mark>disabilika basa</mark> basa d		n si jih pada listi kila kang pangangan pangangan	M3			deathland
40-	hayabada intership dhahki.	oliya distanti ole galdiya engda	and the last telephone of the last telephone of the last telephone of the last telephone of the last telephone	astrona d ^{al} itation della lossa	ويوالمقادر يدفعا يادين يالمامان	n, ayili, sali didilikalan di sadarra	мз		2	desilhent
30-	herjohalista akhidakki	والمراجعة	الإيانة المتعادمة المتعادم	hadis neu difficialis voluitia horan d	فالمتعادل أراحة أفاض بطراحة المخاطعة	h, a jiha adal politika ja da vatava	M3	William P.		duilthuid
30-	herjahakina sebuahkin	المراجعة الم				المراق والمناولة الموافية والمناورة	M3			de sillerent
30 - 20 -	herzeleckána vádosádkáká	oliya distanti oda galdanati oda	A, bles interessed	hadde of the district of the land of the l		and disease to a second section	M			2410
30 - 20 - 10 - 0.0 - 2350	u Januarian kutuma ku	y y man maar (gan vggavg)		man to the state of the state o	Frequency (MH	z)	Table (c)	Hoight	LANT	2410
30- 20- 10- 2350	requency	Results	Factor	Limit	Frequency (MH	and disease to a second section	Table (o)	Height	ANT	2410
30- 20- 10- 0.0- 2350	requency MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MH Over Limit (dB)	Detector	, ,	(cm)		2410 Verdict
30- 20- 10- 2350	Frequency MHz) 400.057	Results (dBuV/m) 57.08	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MH Over Limit (dB) -16.92	Detector Peak	175.00	(cm) 100	Vertical	verdict Pass
40- 30- 20- 10- 0.0- 2350 Ho. Fr (M	requency MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MH Over Limit (dB)	Detector	, ,	(cm)		2410 Verdict

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Pr	roduct:	W	/IRELES	SS EARPHO	ONE	Polari	ity]	Horizontal	
1	Mode		Keeping	g Transmitti	ng	Test Vol	ltage		DC3.7V	
Tem	nperature		24	deg. C,		Humid	lity		56% RH	
Tes	t Result:			Pass						
C Part 15C 1.0E+2-	Class B 1GHz-18GHz	-2								
90-										
80-			/							
70-										
60-										
				1						
F0					A					
F0					Mary miller					
(m//wa) (m//wa) (m//wa)					W. Controller	hi <mark>l</mark> litoriikasiisekside	المستعلق عليه أواليا أو بالمقادرة	منغيل الإنجار الأومار الأواجاء الموارث والمستعدد والمستعدد المستعدد المستعد	يضود المقدمة والمعارضة والإحتادية والمعارضة وا	mbaar akh baas
F0					April Control (Marie	All telephikashiya karda	k bugitar, dad Alfridakud	ينتيل حوط فأحد المنصرة بالمنصوفة بنبريات	gant distributes (colondos desdes de desdes de desdes de desdes de desdes de	mbies-aidhinea
(m//wa) (m//wa) (m//wa)					The same of the sa	distribution distribution to such se	is booklean de Alberte et al	المتعارض الم	والمدالية والمساركة والمعارض المتعارض ا	mbeer aid house
50 - 50 - 40 - 30 -						kil <mark>d</mark> toda, dik melajek izak p	المراجعة الم	ىدۇ ئەدائىد ئايىرىدىنىڭ	بالمستوالة والمستوارة والمستوارة والمستوارة والمستوارة والمستوارة والمستوارة والمستوارة والمستوارة والمستوارة	militar asirk jungs
(IL/(NR)) 40- 30- 20- 10-						Alderson beautique benefic	is benedition and the tender to be	din ni de gali keci keci keci keci keci keci keci kec	govikatis (materixes sissabat analit ana	
30 - 20 - 10 -	No. of the state o				2483.5 Frequency (MHz		i kusta and the hadahal	dispositive designative des	والمنطقة المساورة والمعادرة المتأونة المتأونة المتأونة المتأونة المتأونة المتأونة المتأونة المتأونة المتأونة ا	2500
(E)/mgp) 40 - 30 - 20 - 10 - 24		Results	Factor	Limit	2483.5		Table (o)	Height	ANT	
(w/(w/)) 40- 30- 30- 10-	770	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	2483.5 Frequency (MHz	2)				2500

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F	Product: WIRELESS EARPHO				ONE	Detec	tor	Vertical				
	Mode Keeping Transmitting					Test Vol	Test Voltage DC3.7V					
Teı	Temperature 24 deg. C,					Humid	lity	56% RH				
Te	est Result:	ult: Pass										
FCC Part 1: 1.0E+2 90 80	0-	-2										
600 (LL/NB) 400 400 400 400 400 400 400 400 400 40					2483.5		المرابعة المعادمة الموادية المرابعة الم	الدارات والمستطيع المراد	A de la tipe de de de la constante de la const	2500		
Society Soci	0-	Results	Factor	Limit	2483.5 Frequency (MHz	2)						
500 100		Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz		Table (o)	Height (cm)	ANT	2500		

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

- 2. This is a handhold 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.
- 3. 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.

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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 an Chip antenna with gain 2.20dBi maximum for both left earphone and right earphone. It fulfills the requirement of this section.

Test Result: Pass

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FSK Modulatio	n										
Product: WIRELESS EARPHONE						Te	st Mode:	:	Keep transmitting		
Mode		Keepin	g Transm	itting		Tes	st Voltage	e	DC	23.7V	
Temperature		2	4 deg. C,			Н	umidity		569	% RH	
Test Result:			Pass			Г	Detector]	PK	
20dB Bandwidth		82	23.65kHz								
Ref Lvl		ndB	1 [T1 r 20. 3.647294	00 dB	RE VE SV	ВW	30 k 100 k 8.5 m	Hz	F Att	30 dB	ı
10							v ₁	[m1]		71 35-]
							, 1	[T1]	2.40200	.71 dBm 301 GHz	A
0							ndI	3	20	.00 dB	
				\sim	\setminus \wedge		BW ▼ _T ·	82	3.64729	459 kHz	
-10					W 4	abla	V T1	[T1]	2.40159	.99 dBm 419 GHz	
			4	\sim		V	$oldsymbol{ abla}_{ ext{T}}$	2 [T1]	-22	.79 dBm	
-20 1MAX							\		2.40241	784 GHz	1MA
-30			/				- V	~			
\		\checkmark						h			
-40 WW	1 m N N	y M							М		
-50	VIV.	$\overline{}$						— \ <u>\</u>			
-60										Munuly	
-70											
-80											
-90]
Center :	2.402 GH	Ηz		300	kHz/				Spa	ın 3 MHz	

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Product:	WIRELESS EARPHONE						st Mode	:	Keep transmitting			
Mode		Keeping	g Transmit	tting		Te	st Voltag	ge		C3.7V		
Temperature			deg. C,				 Iumidity		50	5% RH	:	
Test Result:			Pass				Detector			PK		
dB Bandwidth	841.68kHz											
<u> </u>		Marker	1 [T1 n	ndB]	RE	вW	30 k	:Hz R	F Att	30 (dВ	
Ref Lvl		ndB	20.	00 dB	VE	ВW	100 k	Hz				
10 dBm		BW 841	.683366	573 kHz	SV	ΙΤ	8.5 m	ns U	nit	(dBm	
10							v ₁	[T1]	-3	3.35	dBm A	
									2.44100	902	Hz	
0					,		ndI	8	20	.00 c	lВ	
				$\bigwedge_{\Lambda} \int$	\		BW	8	41.68336	673 k	Hz	
-10				1000	$\Delta \omega_{\gamma}$		∇_{T}	[T1]	-23	.20		
				٨		4			2.44059	419 (Hz	
-20						Y	$ abla_{\mathrm{T}_{2}}$	2 [T1]	-23	.15	1Bm	
1MAX									2.44143	8587 (Hz 1M	A
-30		كريم	<i>,</i>)`	٦				
-40	amor h	7 J							my			
-50		Ψ.						*\/	W.			
60									M	WHILL	luu	
-60												
-70						+					-	
-80						+						
-90 Center 2	2.441 GI	Hz		300	kHz/			<u> </u>	Spa	an 3 N	MHz	
Date: 2	5.DEC.2	001 15	:00:28									

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Product:	WIRELES	SS EARPHONE	T	est Mode:	Keep transmitting			
Mode	Keeping	g Transmitting	To	est Voltage	DC3.7V			
Temperature	24	deg. C,	-	Humidity	56% RH			
Test Result:		Pass		Detector		PK		
0dB Bandwidth	86	5.73kHz						
Ref Lvl	Marker ndB	1 [T1 ndB] 20.00 dB	RBW VBW	30 kHz 100 kHz	RF Att	30 dB		
10 dBm	BW 86!	5.73146293 kHz	SWT	8.5 ms	Unit	dBm		
10				▼ 1 [T1	2.4800		A	
0		\	\	ndB BW ▼T1 [7	2 865.7314			
-10		N	V 4	V _{T2} [1	2.4795	5210 GHz		
-20 1MAX		71		Y2	2.4804		LMA	
-30	<i></i>			1				
-40					m			
-50					W Y	W. Man Ju		
-60						redit . A Adily		
-70								
-80								
-90 Center 2	2.48 GHz	300 1	<hz <="" td=""><td></td><td>Sr</td><td>oan 3 MHz</td><td></td></hz>		Sr	oan 3 MHz		

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Product:	WIRELESS EARPHONE					Test Mode	:	Keep transmitting		
Mode	Keeping Transmitting					Test Voltage		DC3.7V		
Temperature	24 deg. C,					Humidity		56% RH		
Test Result:			Pass			Detector			PK	
0dB Bandwidth		1.2	214MHz							
(A)		Marker	1 [T1 n	ndB]	RBW	30 k	Hz RI	- Att	30 dB	
Ref Lvl		ndB	20.	00 dB	VBW	100 k	Hz			
10 dBm		BW 1	L.214428	886 MHz	SWT	8.5 m	ıs Uı	nit	dBm	
10						\mathbf{v}_1	[T1]	-2	.74 dBm	A
								2.40200	902 GHz	
0				^		ndI	8	20	0.00 dB	
				/\ /	\	BW $\nabla_{\mathbf{T}}$	L [T1]	1.21442 -22	886 MHz	
-10			W		~~~	My	<u> </u>	2.40138		
				. .		V CT	2 [T1]	-23		
-20		7	e/			<i>f</i>	2	2.40259	820 GHz	
1MAX		_/				·	7			1MA
-30										
-40	man /						W	٨Μ		
-50	•						· ·	Jan Y	My	
-60										
-70										
-80										
-90 Center	2.402 G	L Hz		300	kHz/			Spa	an 3 MHz	
	5.DEC.2				,			210	-	

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Pi/4D-QPSK M									
Product:	WIRELE		est Mode		Keep transmitting DC3.7V				
Mode	Keepin	_	est Voltag						
Temperature	2	4 deg. C,]	Humidity	7	5	56% RH	
Test Result:		Pass			Detector			PK	
20dB Bandwidth	1.	214MHz							
r)	Marker	1 [T1 ndB]	RBW	30 k	KHZ	RF Att	30 dB	
Ref Lvl	ndB	20.00	dB	VBW	100 k	KHZ			
10 dBm	BW	1.21442886	MHz	SWT	8.5 n	ns	Unit	dBm	m
10					v ₁	[T1]	_	3.37 dBm	A
							2.4410	0902 GHz	A
0			#		ndl	B	2	0.00 dB	
			\wedge		$oldsymbol{f v}_{f T}$		1.2144		
-10		^ /		١	<u>v_</u>	1 [T1	2.4403	83.25 dBm 8377 GHz	
					$\bigvee_{}$	2 [T1		3.51 dBm	
-20	1	√			12		2.44159820 GHz		
1MAX	(م					Ϋ́			1MA
-30						1			
40									
-40							n 1		
-50	~ \ // ~						Jan Jan	m	
								~~~~	
-60								- γ.ν	
-70									
-80									
-90									
Center 2	2.441 GHz		300 kHz	/			Sp	an 3 MHz	
Date: 2	5.DEC.2021 1	4:55:34							

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Product:	WIRELES	SS EARPHONE	Т	Test Mode:	Keep transmitting DC3.7V		
Mode	Keeping	g Transmitting	T	est Voltage			
Temperature	24	deg. C,		Humidity		56% RH	
Test Result:		Pass		Detector		PK	
0dB Bandwidth	1.2	214MHz					
Ŕ	Marker	1 [T1 ndB]	RBW	30 kHz	RF Att	30 dB	
Ref Lvl	ndB	20.00 dB	VBW	100 kHz			
10 dBm	BW 1	L.21442886 MHz	SWT	8.5 ms	Unit	dBm	
				▼1 [T	L] -	-4.33 dBm	
0					2.4800	00902 GHz	
		,		ndB BW	1.2144	20.00 dB	
1.0		/ /	\		71.2144 711 -2	12886 MHz	
-10			hy ~	Λ.	2.4793	38377 GHz	
		My L		~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~ ~	r1] -2	24.87 dBm	
-20	T	~		12	2.4805	59820 GHz	
IMAX	گر ا					IMA	
-30				7			
-40							
					\		
-50	~~\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\						
					V.	my ,	
-60						w	
-70							
-80							
- 00							
-90 Center 2.	.48 GHz	300	kHz/	l .	Sr	an 3 MHz	

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#### 10.0 FCC ID Label

#### **FCC ID: 2AZBO-N00005**

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--



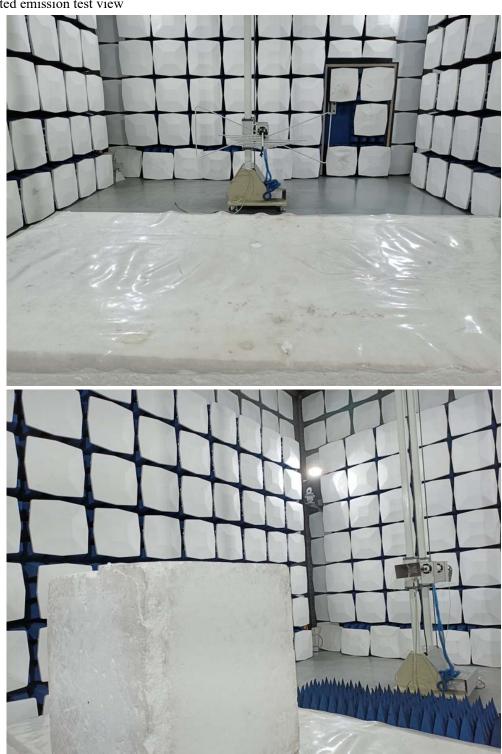
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## Radiated emission test view



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

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## 11.2 Photographs-EUTOutside View - charger base





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## Outside View - charger base



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Outside View - charger base



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## Outside View - charger base



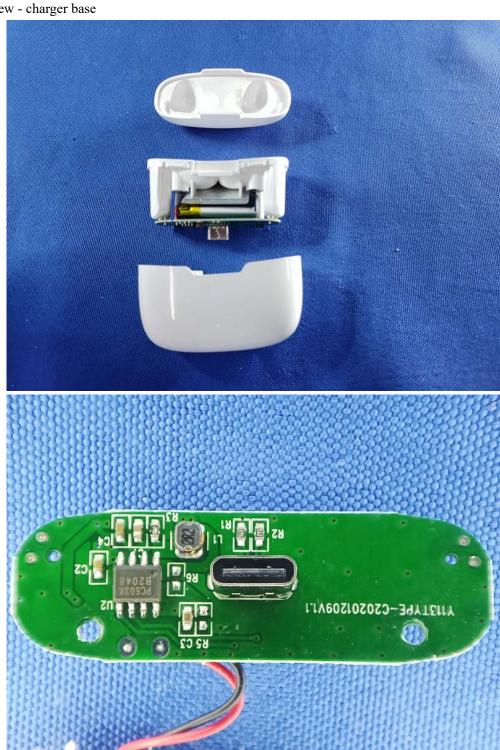
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Inside View - charger base



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

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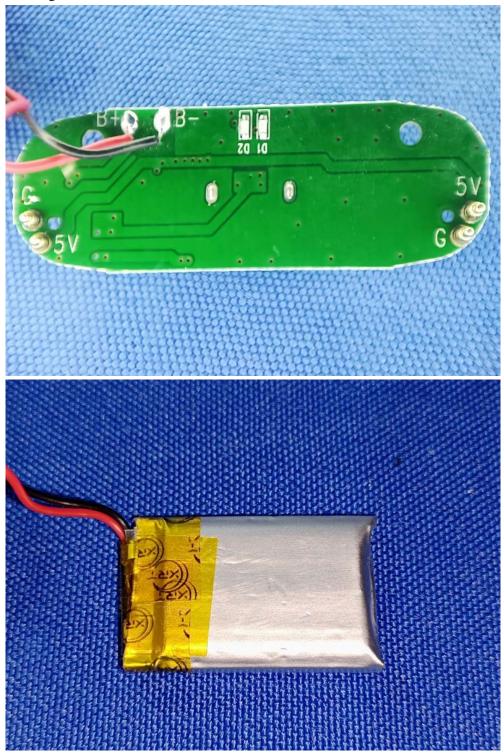
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Inside View - charger base



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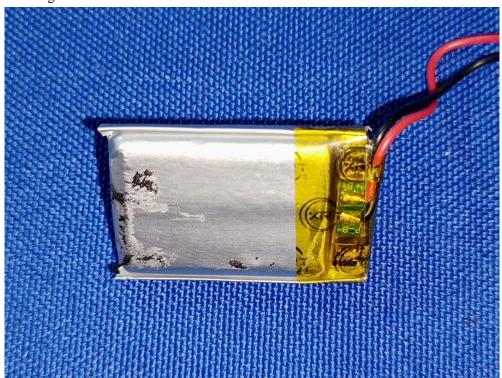
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Inside View - charger base



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Outside View - Left earphone



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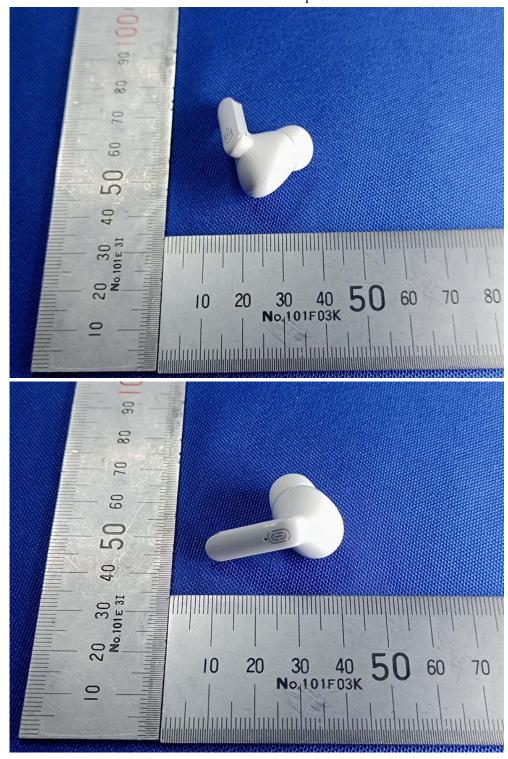
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Outside View - Left earphone



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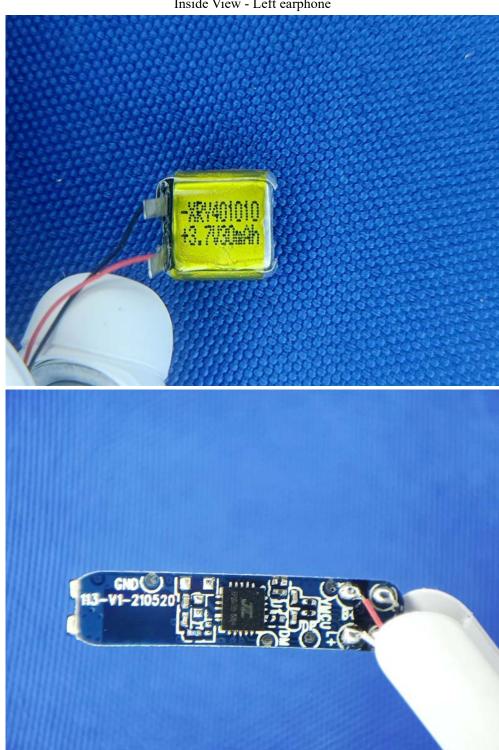
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Inside View - Left earphone



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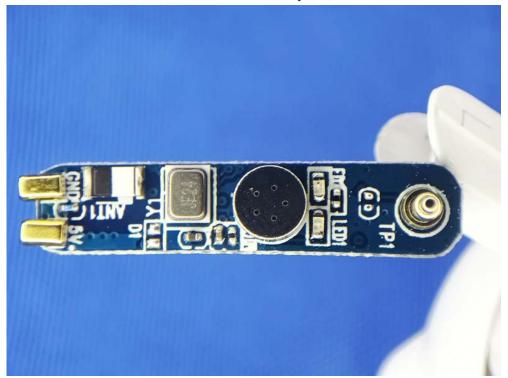
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Inside View - Left earphone



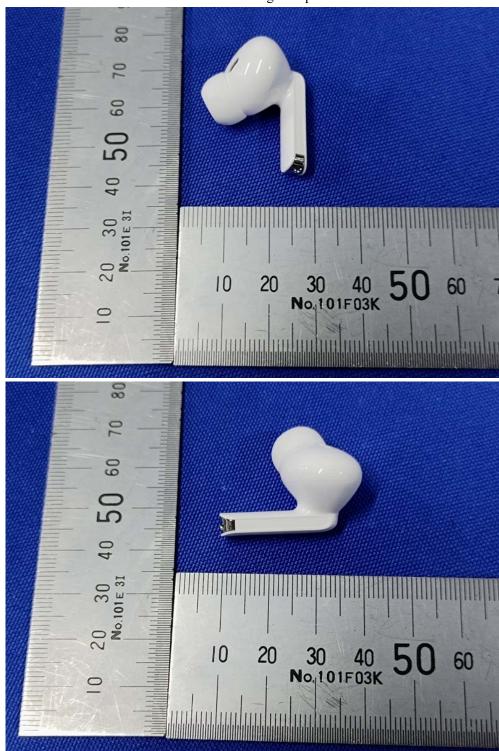
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Outside View - Right earphone



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Outside View - Right earphone



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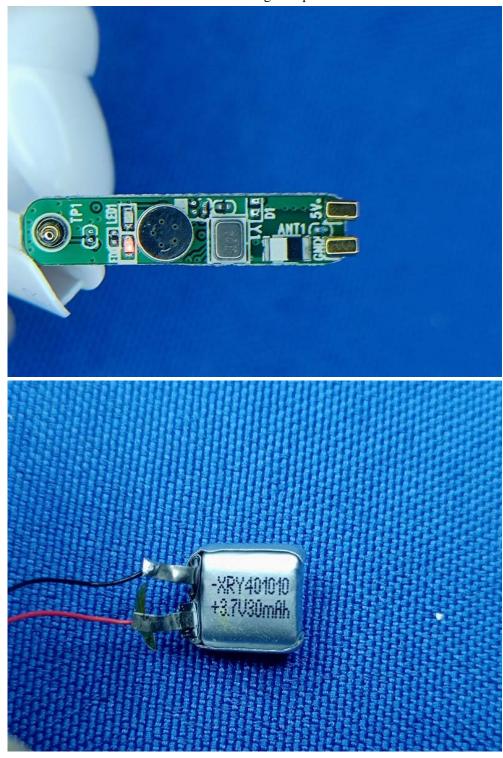
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Inside View - Right earphone



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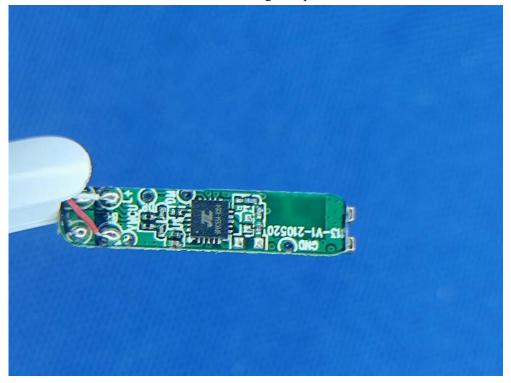
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Inside View - Right earphone



-- End of the report--