

Report No.: TW2404074-01E

Applicant: Eastern Times Technology Co.,Ltd

Product: WIRED+2.4G+BT GAMING HEADSET

Model No.: H868, ET-9172, H868W

Trademark: REDRAGON

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: May 20, 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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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: Eastern Times Technology Co.,Ltd

Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town, Dongguan City,

Guangdong, China.

Telephone: --Fax: --

1.3 Description of EUT

Product: WIRED+2.4G+BT GAMING HEADSET

Manufacturer: Eastern Times Technology Co.,Ltd

Address: Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town,

Dongguan City, Guangdong, China.

Trademark: REDRAGON

Model Number: H868

Additional Model Name ET-9172, H868W Rating: DC5V, 350mA

Battery DC3.7V, 800mAh Li-ion battery

Modulation Type: GFSK

Operation Frequency: 2402-2480MHz

Channel Number: 40 Channel Separation: 2MHz

Hardware Version: ZS928 _RX-RTL _V1.2

Software Version: H868 _1822 _V1.0-bf9749ac8309dc37700fe037a069584b.bin

Serial No.: RDMH8682024042500001

Antenna Designation Chip antenna with gain 3.49dBi Max (Get from the antenna specification)

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1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2024-04-03 to 2024-05-20

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

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	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	1	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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3.0 Technical Details

3.1 Summary of test results

The EU	Γ has been	tested a	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

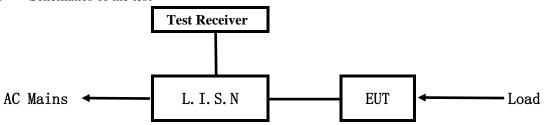
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

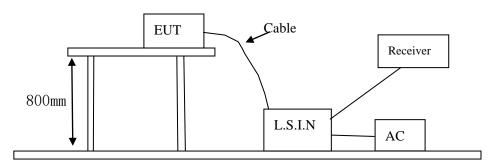


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2014. The Frequency spectrum from 0.15MHz to 30MHz was investigated. The LISN used was 500hm/50uH as specified by section 5.1 of ANSI C63.4 -2014.

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



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.4-2014. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

40 channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
WIRED+2.4G+BT GAMING	Eastern Times Technology	H868, ET-9172,	TIMET 0172 A
HEADSET	Co.,Ltd	H868W	TUVET-9172A

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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 C63.4 -2014

- 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)

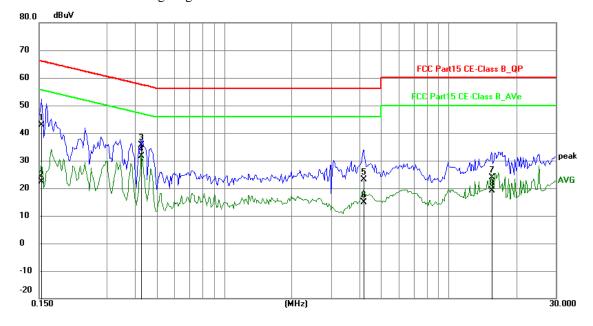
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Keep Transmitting

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	33.14	9.78	42.92	65.79	-22.87	QP	Р
2	0.1539	12.53	9.78	22.31	55.79	-33.48	AVG	Р
3	0.4269	25.87	9.77	35.64	57.31	-21.67	QP	Р
4	0.4269	21.96	9.77	31.73	47.31	-15.58	AVG	Р
5	4.1778	13.17	9.89	23.06	56.00	-32.94	QP	Р
6	4.1778	5.06	9.89	14.95	46.00	-31.05	AVG	Р
7	15.5151	13.51	10.41	23.92	60.00	-36.08	QP	Р
8	15.5151	8.61	10.41	19.02	50.00	-30.98	AVG	Р

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

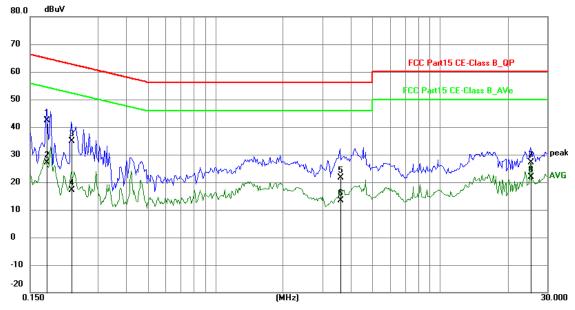
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Charging and Keep Transmitting

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	32.50	9.77	42.27	64.61	-22.34	QP	Р
2	0.1773	17.47	9.77	27.24	54.61	-27.37	AVG	Р
3	0.2280	25.19	9.75	34.94	62.52	-27.58	QP	Р
4	0.2280	7.26	9.75	17.01	52.52	-35.51	AVG	Р
5	3.5967	11.82	9.87	21.69	56.00	-34.31	QP	Р
6	3.5967	3.55	9.87	13.42	46.00	-32.58	AVG	Р
7	25.2339	16.13	11.00	27.13	60.00	-32.87	QP	Р
8	25.2339	10.97	11.00	21.97	50.00	-28.03	AVG	Р

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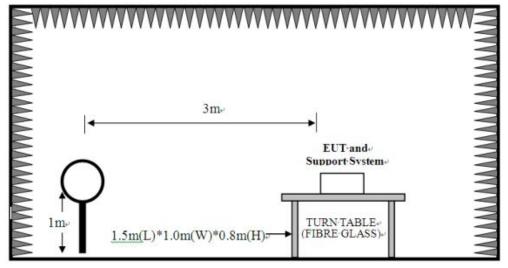


6 Radiated Emission Test

- 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

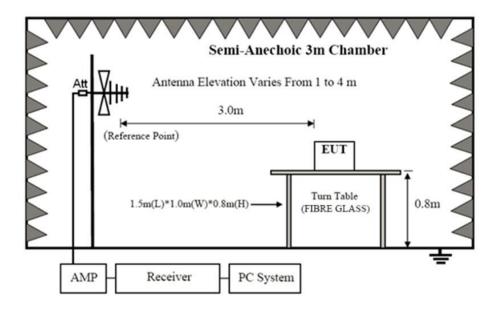


For radiated emissions from 30MHz to1GHz

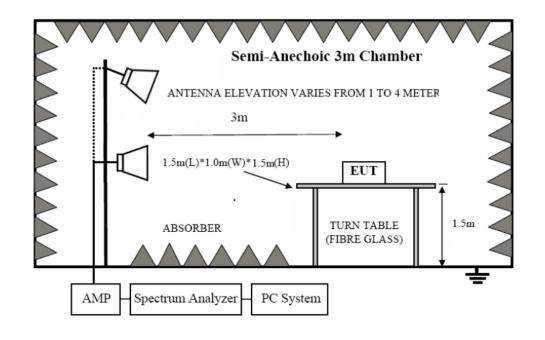
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For radiated emissions above 1GHz



- 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 Stre	ength of Fundame	ntal (3m)	Field S	trength of Harmo	nics (3m)
(MHz)	mV/m	dBu	V/m	uV/m	dBu	V/m
2400-2483.5	50	94 (Average)	114 (Peak)	500	54 (Average)	74 (Peak)

Note:

- 1. RF Field Strength $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 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.

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
2 6-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 5. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.
- 6. Battery full charged during tests.

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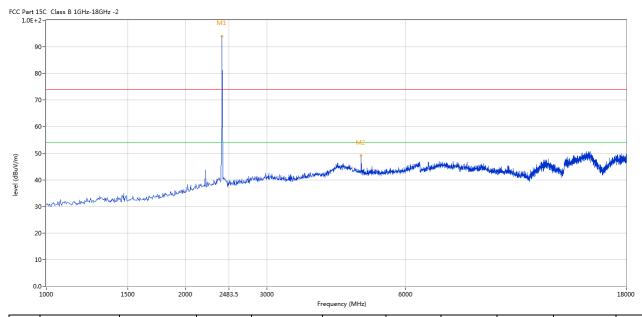
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6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



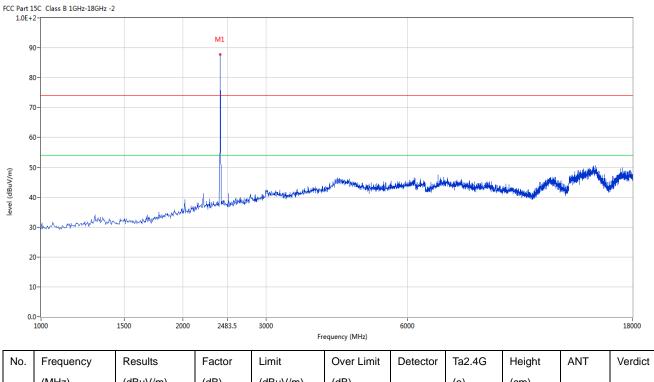
ı	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Ta2.4G	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	1	2402	93.95	-3.57	114.0	-20.05	Peak	275.00	100	Horizontal	Pass
	1**	2402	85.12	-3.57	94.0	-8.88	AV	275.00	100	Horizontal	Pass
:	2	4802.799	49.19	3.12	74.0	-24.81	Peak	296.00	100	Horizontal	Pass

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Vertical



ſ	No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Ta2.4G	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	1	2402	87.82	-3.57	114.0	-26.18	Peak	360.00	100	Vertical	Pass

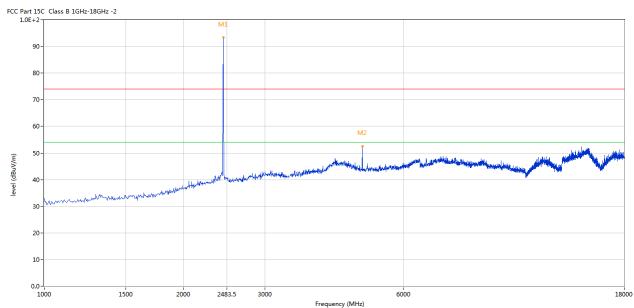
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal



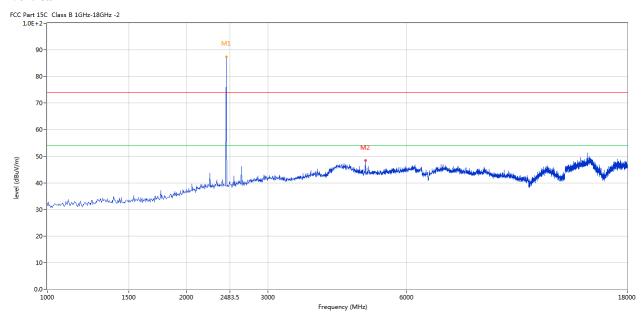
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Ta2.4G	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	93.37	-3.57	114.0	-20.63	Peak	223.00	100	Horizontal	Pass
1**	2440	84.50	-3.57	94.0	-9.50	AV	223.00	100	Horizontal	Pass
2	4879.280	52.51	3.20	74.0	-21.49	Peak	223.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Ta2.4G	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	87.42	-3.57	114.0	-26.58	Peak	98.00	100	Vertical	Pass
2	4879.280	48.36	3.20	74.0	-25.64	Peak	210.00	100	Vertical	Pass

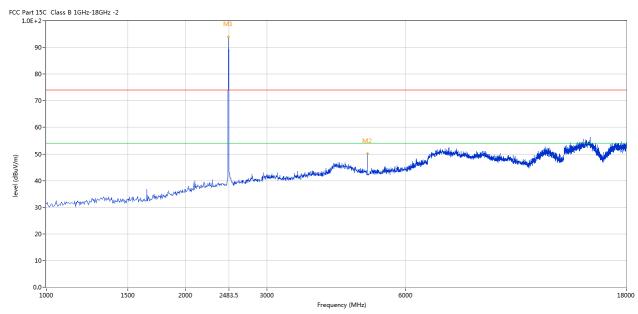
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Please refer to the following test plots for details: High Channel-2480MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Ta2.4G	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	93.88	-3.57	114.0	-20.12	Peak	265.00	100	Horizontal	Pass
1	2480	84.19	-3.57	94.0	-9.81	AV	265.00	100	Horizontal	Pass
2	4960.010	50.14	3.36	74.0	-23.86	Peak	265.00	100	Horizontal	Pass

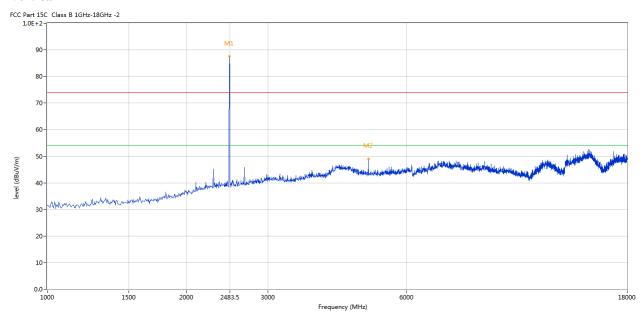
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Ta2.4G	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	87.51	-3.57	114.0	-26.49	Peak	291.00	100	Vertical	Pass
2	4960.010	49.00	3.36	74.0	-25.00	Peak	291.00	100	Vertical	Pass

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. No necessary to take down.
- (6) the measured PK value less than the AV limit.

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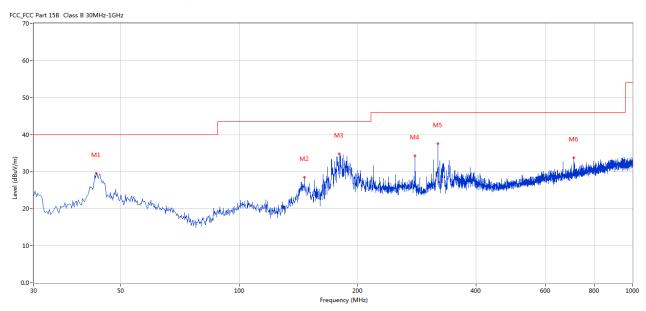


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	43.334	29.48	-11.49	40.0	10.52	Peak	25.00	100	Horizontal	Pass
2	146.371	28.48	-17.27	43.5	15.02	Peak	301.00	100	Horizontal	Pass
3	179.343	34.79	-15.38	43.5	8.71	Peak	260.00	100	Horizontal	Pass
4	279.955	34.31	-11.50	46.0	11.69	Peak	215.00	100	Horizontal	Pass
5	319.958	37.61	-10.60	46.0	8.39	Peak	210.00	100	Horizontal	Pass
6	710.285	33.78	-3.97	46.0	12.22	Peak	207.00	100	Horizontal	Pass

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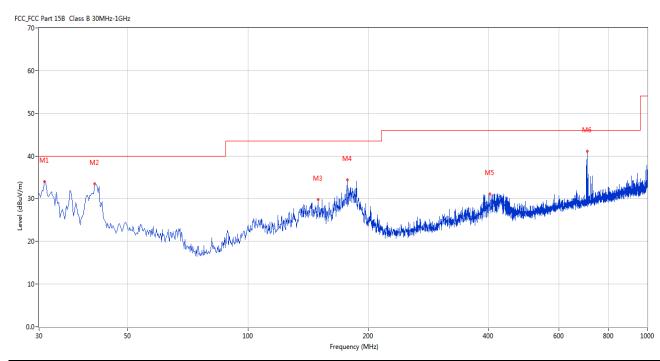


Radiated Emission In Vertical (30MHz----1000MHz)

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	30.970	34.02	-14.59	40.0	5.98	Peak	13.00	100	Vertical	Pass
2	41.395	33.44	-11.91	40.0	6.56	Peak	359.00	100	Vertical	Pass
3	149.765	29.85	-17.05	43.5	13.65	Peak	232.00	100	Vertical	Pass
4	177.403	34.35	-15.66	43.5	9.15	Peak	240.00	100	Vertical	Pass
5	403.599	31.10	-8.53	46.0	14.90	Peak	314.00	100	Vertical	Pass
6	707.861	41.19	-3.84	46.0	4.81	Peak	148.00	100	Vertical	Pass

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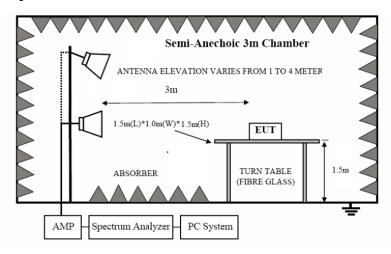


7. Band Edge

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.

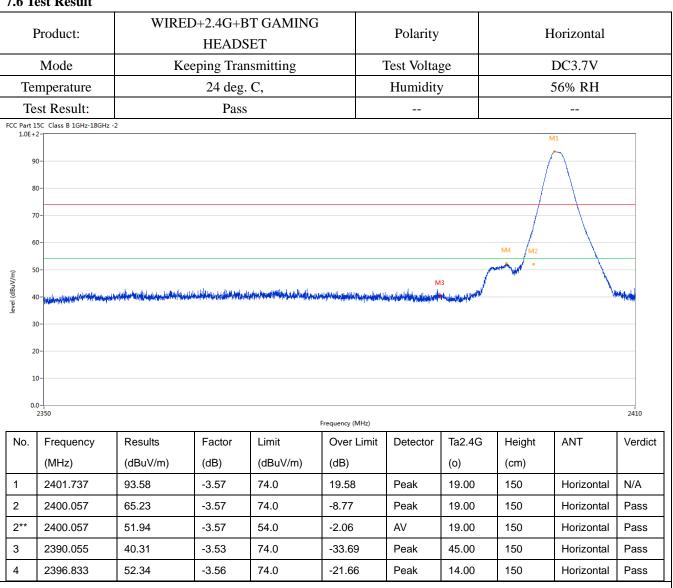
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7.6 Test Result



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]	Product:	WIRE	D+2.4G+B HEADS	T GAMING ET		Detector		V	ertical	
	Mode	Ke	eping Tran	smitting	Te	est Voltage	e	D	C3.7V	
Te	mperature		24 deg.	C,]	Humidity		56	5% RH	
Те	est Result:		Pass							
C Part 1	15C Class B 1GHz-18GHz	: -2			<u>'</u>		, I			
									M1	
g	90-									
8	30 -							/		
7	70-									
6	50 -									
5	50-						· ·	M4 M2	$\overline{}$	
5		نه لا الدائد الد	, yang phalles dibibitating legalikating series	and the same of the contract o	klistorioso, padės atkles vas de sies		A3	M4 /M2		Carrier March
4	10-	ende indicates proposition de superior de la constitución de la consti	arting the place of the place of the party o	art of Sandella de de Sandella de la constitución d	de large regular politica de la constanción de l		- /	M4 M2		- Marie
4		ومطاعة والمعارض والم	ating shall and behind a such altitude	artificiales and makes also a place a partie	المراجع والمعارب ومطاهر والمراجع ومراجع والمراجع والمراع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع والمراجع		- /	M4 M2		- Maria
3	10-	and the second of the second o	والمعارب المعارب	المنافعة والمنافعة والمناف	iki dapat dan persebah perili dan sengan dan men		- /	M4 M2		- marin
3	10-	والمستقدمة	abing shall and both track, such arbitrary	ustiga, ndara arib mindara pilganca nga d	khiteritany, sugled _e elikken ipenjandian		- /	M4 M2		ann. No.
3 2	10	andria antich a prote, a regit plane en galai p	ation stands and believe the stands and retirect	aurid, nedera airik makadasa bigan canand	iki teretang pundapat di dina tengan dan		- /	M4 /M2		Market State of the State of th
3	10 - 10 - 10 - 10 - 10 - 10 - 10 - 10 -	المعالمة ال	ation pullen and the transfer and althors	ustrige, nedern av de meinelegen plegenver, eg, nie	handan yang da ka		- /	M4 M2		The first parties
1 0	10	Results	Factor	Limit			- /	M4 M2	ANT	2
1 0	10				Frequency (MHz)	ogi et kinni, knjigi njegov	Remaining services	· MZ	ANT	2
1 1 0 No.	10	Results	Factor	Limit	Frequency (MHz) Over Limit	ogi et kinni, knjigi njegov	Ta2.4G	Height	ANT	2
3 3 2 1 1 0 No.	10	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (MHz) Over Limit (dB)	Detector	Ta2.4G (o)	Height (cm)		Verdi
3 2 1 1 0 No. 11 22	Frequency (MHz) 2401.737	Results (dBuV/m) 87.33	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 13.33	Detector Peak	Ta2.4G (o) 131.00	Height (cm)	Vertical	Verdi N/A Pass
3	Frequency (MHz) 2401.737 2400.012	Results (dBuV/m) 87.33 60.12	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Frequency (MHz) Over Limit (dB) 13.33 -13.88	Detector Peak Peak	Ta2.4G (o) 131.00 131.00	Height (cm) 150 150	Vertical Vertical	Verdi N/A Pass Pass

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J	Product:	WIRED+2.	4G+BT C	GAMING HE	ADSET	Pol	arity		Horizonta	ıl
	Mode	K	Keeping Ti	ransmitting		Test V	Voltage		DC3.7V	
Te	mperature		24 de	eg. C,		Hun	nidity		56% RH	
Te	st Result:		Pa	iss						
CC Part 1	.5C Class B 1GHz-18GH: 2-	z -2			•					
1.0E+	2-									
			M: مبر	ı ~~						
9	0-									
8	0-									
7	0-									
6	0-		/							
(m//m) 5	0-	Market Ma		M	2					
level (dBuV/m)	o-Water Milliant	""#IT"				AMERICAN PROPERTY AND ASSESSMENT	A Angelon of the Land of the Lot	وخاطيه ليانية أوالمالية المجا	ndahar panjada kalandar	history
_ 3	0-									
2										
2	0-									
1	0-									
0.	0- 2470			248						25
Na	Fraguenav	Results	Factor	Limit	Over	Detector	Ta2.4G	Llaight	ANT	Verdi
No.	Frequency					Detector		Height	ANI	verai
4	(MHz) 2479.763	(dBuV/m) 92.04	(dB)	(dBuV/m) 74.0	Limit (dB) 18.04	Peak	(o) 41.00	(cm)	Horizontal	N/A
1			-3.57	_						
2	2483.500	57.98	-3.57	74.0	-16.02	Peak	41.00	100	Horizontal	Pass
2**	2483.500	43.11	-3.57	54.0	-10.89	AV	41.00	100	Horizontal	Pass

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]	Product:	WIRE	D+2.4G+I HEADS	BT GAMING SET]	Detector		Vertical				
	Mode	Keeping Transmitting				est Voltage	DC3.7V					
Те	mperature		24 deg. C,				56% RH					
Te	est Result:		Pass	S								
CC Part 1 1.0E+	15C Class B 1GHz-18GHz	-2										
8	10 -		M1									
(III/Angn) Iava	100- 100- 100-	- House all the second		M2	Maria de la composition della	in in his general policy physics and a second	A part of the first of the second	nai ku viiteka, mainkaa kih ar a aaree kir	يد الإي والمواقع المواقع الموا	1,414,44,44,44,44,44,44,44,44,44,44,44,4		
(W/ngp) javaj 3	10-	- House of Bridge		M2	Maria de la compansión de	يدوي ماراني والمتاون	ally or deposit to the second	nai ku silikin nga iskun dip ay ayaw di	يد في والمعرف على المراجع المر	1.414		
(m/ngp) Javal 3	10			M2	Market Ma	inne deutschliebe einfalle deutsche Angeber ein	on the second se	का है कि की कि की कि की कि की कि की की कि की	હનેવૃત્તનોના ક્ષેત્ર કર્યા હતો. ક્ષેત્ર કર્યા હતો.			
(m/\delta para) 3 3 2 1	10	- House and the second		M2 2483.5 Fi	requency (MHz)	itera kingalika pilipi kayena.	ally makes the brades are notice	wat ku dibida a aya ida ku diga ee ayaa ii di	e dan da karina da karina da	2500		
(m/\delta para) 3 3 2 1	10	Results	Factor			Detector	Ta2.4G	Height	a hortealor de liberatura de la constanta de l	2500		
(w/\ngp) awa 3 2 1 0.	0-2470		Factor (dB)	Fr	requency (MHz)					2500		
(w/\ngp) awa 3 2 1 0.	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-	Results		Limit	requency (MHz) Over Limit		Ta2.4G	Height				

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

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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 Chip antenna. The antenna gain is 3.49dBi Max. It fulfills the requirement of this section. Test Result: Pass

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9.0 20dB Bandwide	th Measuremen	t						
Product:	WIRED+2.40	G+BT GAMING HEAI	DSET	Test Mode:	Keep transmitting			
Mode	Kee	eping Transmitting		Test Voltage	DC	23.7V		
Temperature		24 deg. C,		Humidity	569	% RH		
Test Result:		Pass		Detector]	PK		
20dB Bandwidth		1.232MHz						
	Marke	r 1 [T1 ndB]	R	BW 100 k	Hz RF Att	20 dB		
Ref Lvl	ndB	20.00 dB			Hz	15		
10 dBm	BW	1.23246493 MHz	S1	WT 5 m	us Unit	dBm		
		<u></u>		▼ 1	[T1] 2.4017	4.53 dBm 76854 GHz		
0		1		ndi BW	1.2324			
-10		2 1/		VT2	T2 2.4014 [T1] -1	15.28 dBm 10180 GHz 15.38 dBm		
-20 1MAX					2.4026	53427 GHZ 1MA		
-30								
-40						benjeron		
-50								
-60								
-70								
-80								
-90 Center 2.	402 GHz	300	kHz/		sr	oan 3 MHz		
Date: 18	.APR.2024	18:29:34						

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Product:	WIRED+2.4G+BT GAMING HEADSET					Test Mode:			Keep transmitting			
Mode	Keeping Transmitting					Test Voltage		;	DC3.7V			
Temperature	24 deg. C,					Humidity			56% RH			
Test Result:			Pass			Detector			PK			
20dB Bandwidth		1.	.226MHz									
Ŕ.		Marker	1 [T1 r	ndB]	R	BW	100 k	Hz R	F Att	20 dB		
Ref Lvl		ndB		.00 dB		BW		Hz				
10 dBm		BW 1	1.226452	291 MHz	SI	ИT	5 m	s U	nit	dBm	1 -	
				1			V 1	[T1]	4	.82 dBm	A	
0			,		}	$\overline{}$			2.43976	854 GHz		
							nd BW	5	1.22645	.00 dB		
-10							V _E	[T1]	-15	.12 dBm		
		T	1					Г2 7	2.43940	180 GHz		
-20							VT2	[T1]	-15	.07 dBm		
1MAX									2.44062	826 GHz	1MA	
-30		المسهب						1	my			
-40										Vive .		
5.0										The work of		
-50												
-60												
-70												
- 70												
-80												
-90												
Center 2	.44 GH2	Z		300	kHz/				Spa	ın 3 MHz	•	
Date: 18	APR.2	024 18	:27:53									

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Product:	WIRED+2.4G+BT GAMING HEADSET				SET	Test Mode:			Keep transmitting			
Mode	Keeping Transmitting					Test Voltage		;	DC3.7V			
Temperature	24 deg. C,					Humidity			56% RH			
Test Result:			Pass			Detector			PK			
20dB Bandwidth		1.	226MHz									
			1 [T1 r		RE	W		Hz R	F Att	20 dB		
Ref Lvl 10 dBm		ndB BW 1	20. 226452.	00 dB	VE SW		300 k 5 m	Hz s U	nit	dBm	ı	
10					<u> </u>				T	<u> </u>	I	
				~~~		$ \prec $	▼1		2.48001	.29 dBm 503 GHz	A	
0			J.C.				ndE BW	5	20	.00 dB 291 MHz		
-10							W _T	. [T1]	-15	.89 dBm		
		T	1				<b>∨</b> T 2	C2 (T1)	2.47939 -15	579 GHz		
-20		-				_			2.48062	224 GHz		
-30		w/						La	~		1MA	
-40									Y			
30										A CHINA		
-50												
-60						_						
-70												
-80						$\dashv$						
-90 Cantar 3	49 617			300	kHz/				Q 1	n 2 Mari		
Center 2 Date: 18	.48 GH2 3.APR.20		.25.47	300	VUS/				spa	n 3 MHz		

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#### 10.0 FCC ID Label

#### FCC ID: TUVET-9172A

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



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#### 11.2 Outside View-Headset





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Outside View-Headset





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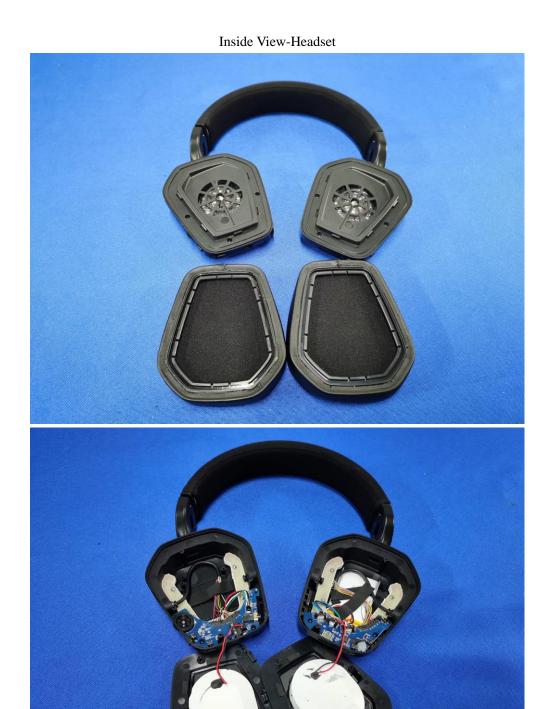
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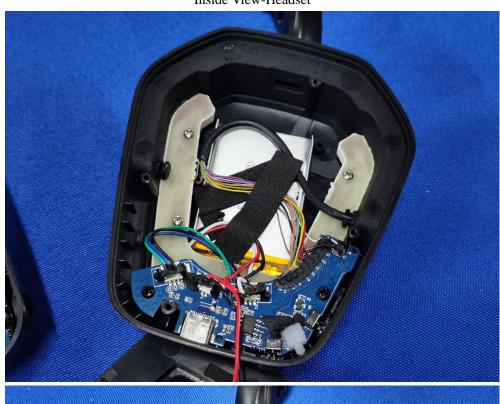
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Inside View-Headset





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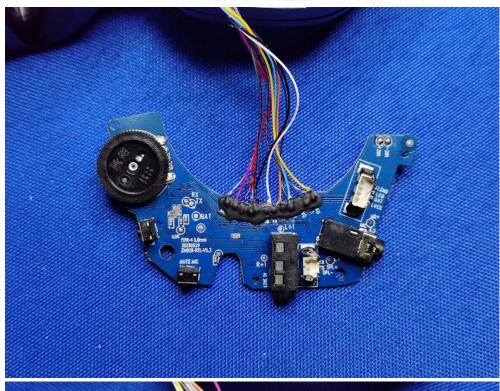
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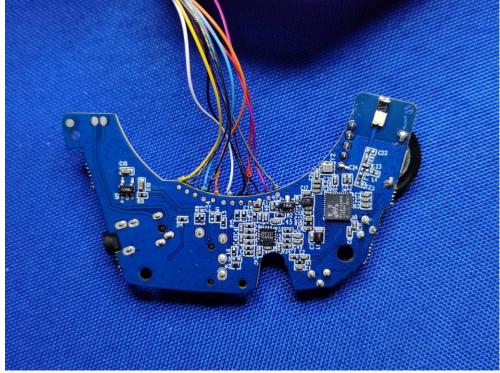
Report No.: TW2404074-01E

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Inside View-Headset





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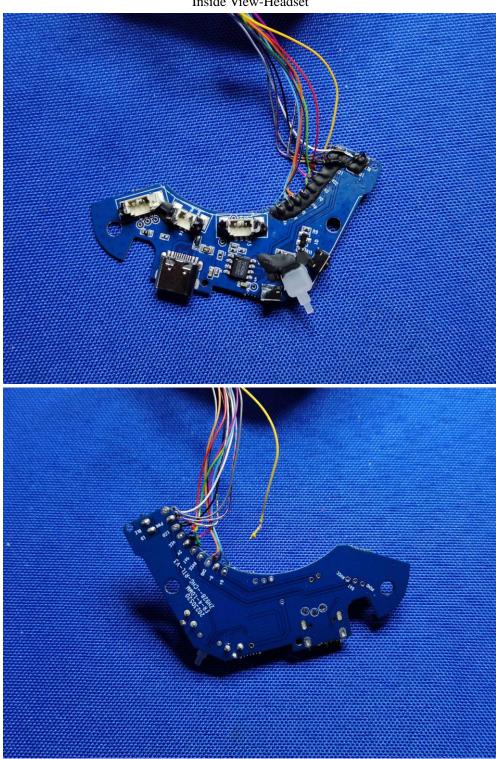
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Inside View-Headset



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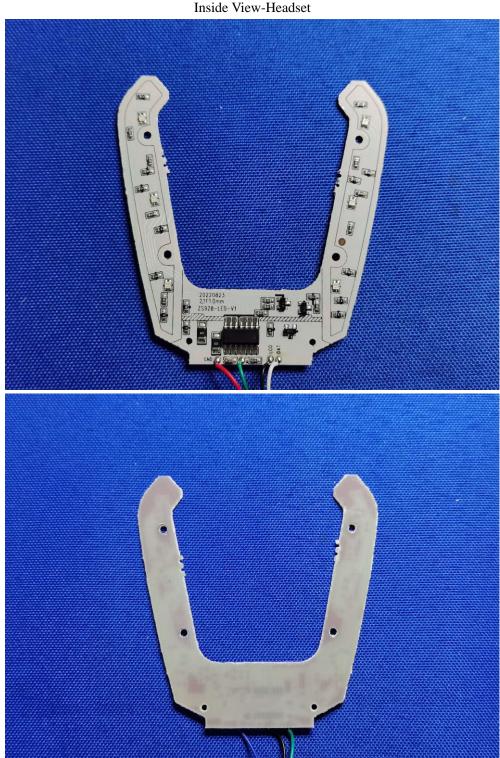
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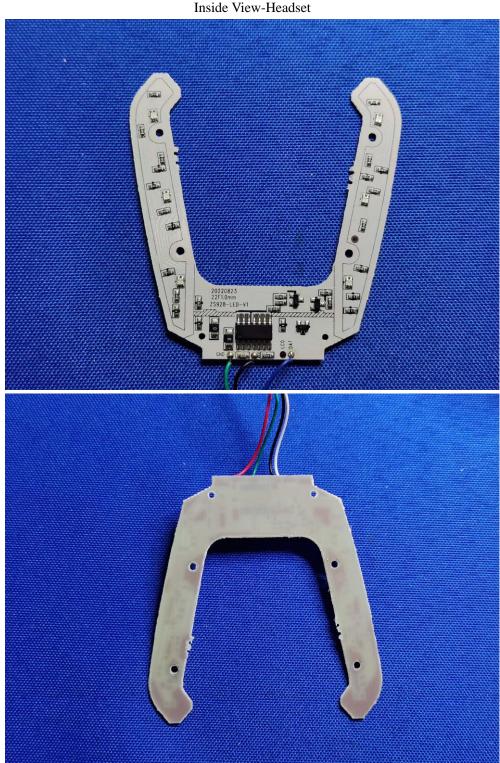
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Date: 2024-05-20





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Inside View-Headset



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