

Report No.: TW2309369-02E

Applicant: Eastern Times Technology Co.,Ltd

Product: GAMING HEADSET

Model No.: H510-PRO, H510W-PRO, ET-9149

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 lang

Terry Tang

Manager

withdrawal at

Dated: Nov 30, 2023

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

## SHENZHEN TIMEWAY TESTING LABORATORIES

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

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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: 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

Additional Trademark: N/A

Model Number: H510-PRO

Additional Model Name H510W-PRO, ET-9149 Hardware Version: GP076 PRO V1.1 22.12.22

Software Version: 0025

Serial No.: RDH510-PRO23061700403
Rating: DC5V, 500mA/DC3.7V, 40mA
Battery: DC3.7V, 750mAh Li-ion battery

Modulation Type: GFSK

Operation Frequency: 2402-2480MHz

Channel Separate: 1MHz
Channel Number: 79

Antenna Designation PCB antenna with gain 1.55dBi Max (Get from the antenna specification)

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1.4 Submitted Sample: 2 Samples

1.5 Test Duration 2023-09-26 to 2023-11-28

## 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: 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	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 EUT has	been tested	l according to	o the foll	owing s	specifications:

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

#### 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

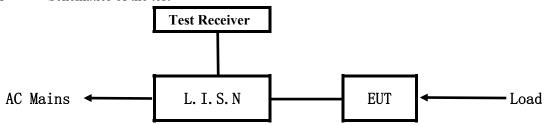
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#### 5. Power Line Conducted Emission Test

#### 5.1 Schematics of the test

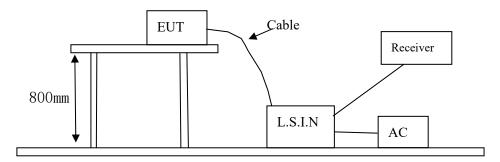


**EUT: Equipment Under Test** 

## 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
GAMING HEADSET	Eastern Times	H510-PRO, H510W-PRO,	TUVET-9149A
	Technology Co.,Ltd	ET-9149	10 VL1-9149A

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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 C63.10-2013

- 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)

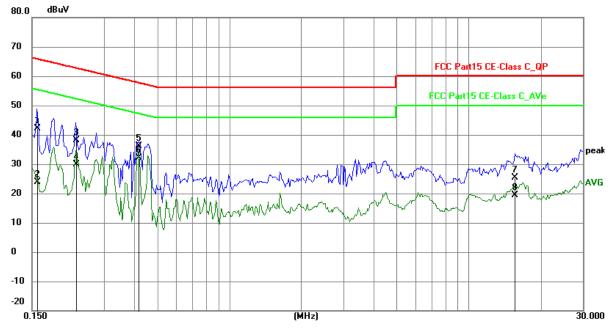
**EUT Operating Environment** 

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

**EUT set Condition: Charging and 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	0.1578	32.35	9.78	42.13	65.58	-23.45	QP	Р
2	0.1578	14.06	9.78	23.84	55.58	-31.74	AVG	Р
3	0.2280	28.39	9.75	38.14	62.52	-24.38	QP	Р
4	0.2280	20.12	9.75	29.87	52.52	-22.65	AVG	Р
5	0.4191	26.36	9.76	36.12	57.47	-21.35	QP	Р
6	0.4191	22.46	9.76	32.22	47.47	-15.25	AVG	Р
7	15.6126	15.04	10.42	25.46	60.00	-34.54	QP	Р
8	15.6126	9.08	10.42	19.50	50.00	-30.50	AVG	Р

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

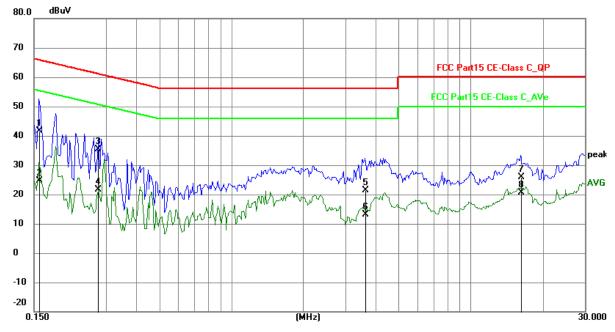
**EUT Operating Environment** 

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

**EUT set Condition: Charging and 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	0.1578	31.96	9.78	41.74	65.58	-23.84	QP	Р
2	0.1578	14.95	9.78	24.73	55.58	-30.85	AVG	Р
3	0.2787	25.50	9.76	35.26	60.85	-25.59	QP	Р
4	0.2787	11.78	9.76	21.54	50.85	-29.31	AVG	Р
5	3.6279	11.45	9.87	21.32	56.00	-34.68	QP	Р
6	3.6279	3.22	9.87	13.09	46.00	-32.91	AVG	Р
7	16.1858	15.47	10.45	25.92	60.00	-34.08	QP	Р
8	16.1858	10.28	10.45	20.73	50.00	-29.27	AVG	Р

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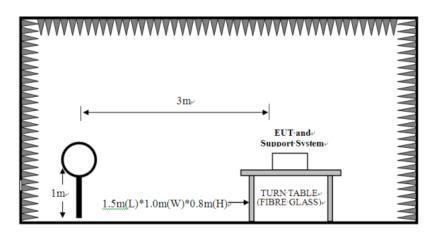


#### **6** Radiated Emission Test

- 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



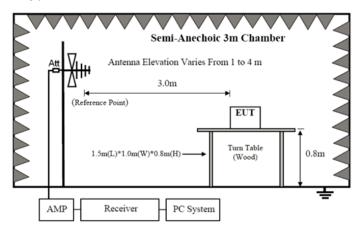
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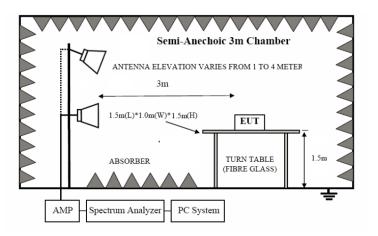
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For radiated emissions from 30MHz to1GHz



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 Stre	ength of Fundame	ental (3m)	Field S	nics (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 $\mu$ 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
30-88	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. 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.
- 7. 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.

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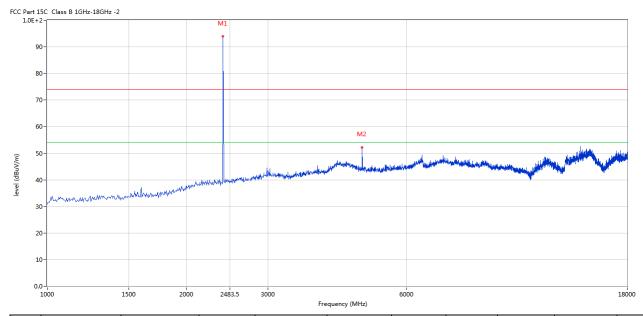


## 6.5 Test result

## A Fundamental & Harmonics Radiated Emission Data

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

#### Horizontal



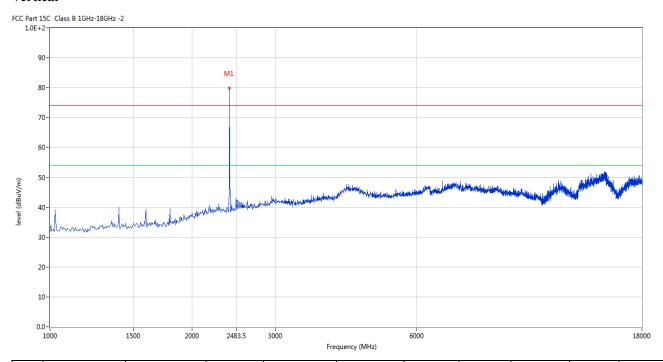
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	93.96	-3.57	114.0	-20.04	Peak	272.00	100	Horizontal	Pass
1**	2402	83.65	-3.57	94.0	-10.35	AV	272.00	100	Horizontal	Pass
2	4802.799	52.22	3.12	74.0	-21.78	Peak	251.00	100	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	79.81	-3.57	114.0	-34.19	Peak	360.00	100	Vertical	Pass

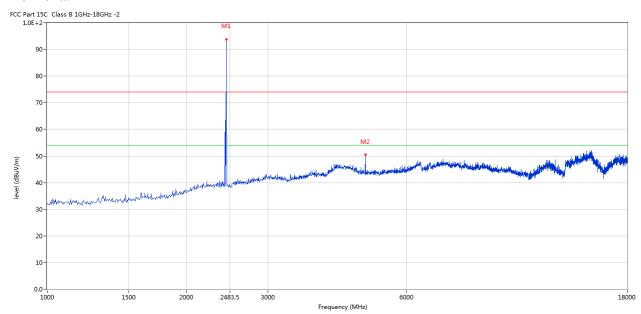
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Please refer to the following test plots for details: Middle Channel-2441MHz

#### Horizontal



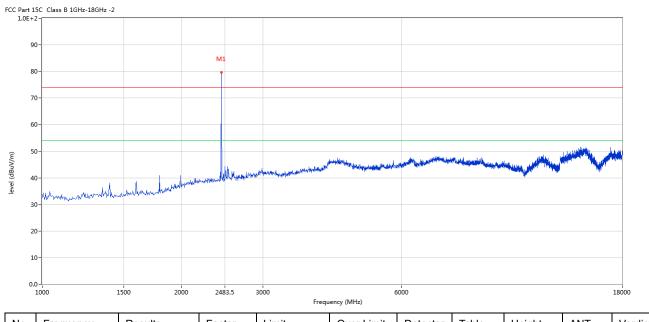
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	93.78	-3.57	114.0	-20.22	Peak	252.00	100	Horizontal	Pass
1**	2441	83.29	-3.57	94.0	-10.71	AV	252.00	100	Horizontal	Pass
2	4883.529	50.48	3.20	74.0	-23.52	Peak	267.00	100	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	79.71	-3.57	114.0	-34.29	Peak	185.00	100	Vertical	Pass

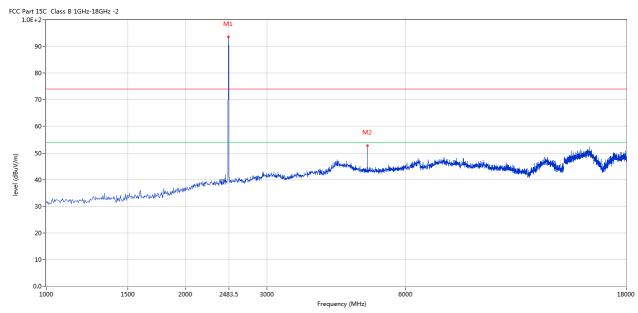
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Please refer to the following test plots for details: High Channel-2480MHz

#### Horizontal



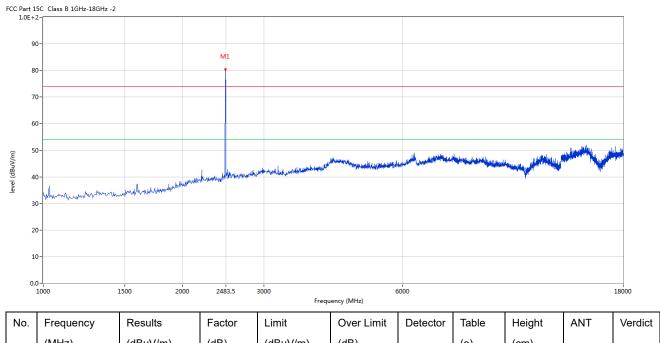
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	93.65	-3.57	114.0	-20.35	Peak	246.00	100	Horizontal	Pass
1**	2480	83.12	-3.57	94.0	-10.88	AV	246.00	100	Horizontal	Pass
2	4960.010	52.82	3.36	74.0	-21.18	Peak	277.00	100	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	80.33	-3.57	114.0	-33.67	Peak	186.00	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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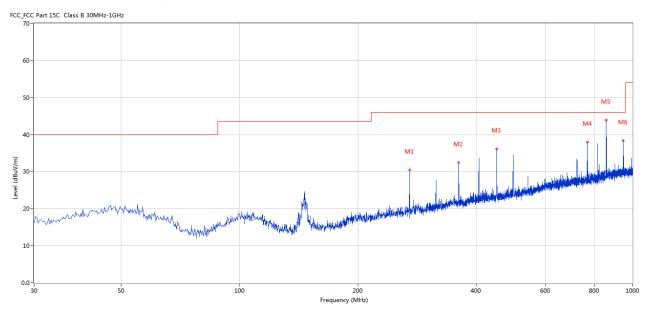


# B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	270.985	30.45	-11.73	46.0	15.55	Peak	266.00	100	Horizontal	Pass
2	361.172	32.44	-9.52	46.0	13.56	Peak	314.00	100	Horizontal	Pass
3	451.602	36.14	-7.91	46.0	9.86	Peak	294.00	100	Horizontal	Pass
4	767.501	37.97	-3.19	46.0	8.03	Peak	68.00	100	Horizontal	Pass
5	857.931	43.88	-2.37	46.0	2.12	Peak	81.00	100	Horizontal	Pass
6	948.360	38.34	-1.51	46.0	7.66	Peak	96.00	100	Horizontal	Pass

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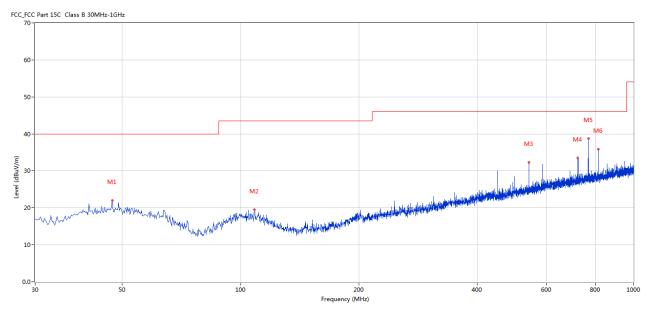


## Radiated Emission In Vertical (30MHz----1000MHz)

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	47.213	22.08	-11.41	40.0	17.92	Peak	205.00	100	Vertical	Pass
2	108.550	19.48	-13.46	43.5	24.02	Peak	190.00	100	Vertical	Pass
3	541.790	32.31	-6.36	46.0	13.69	Peak	136.00	100	Vertical	Pass
4	722.407	33.47	-3.87	46.0	12.53	Peak	218.00	100	Vertical	Pass
5	767.501	38.73	-3.19	46.0	7.27	Peak	170.00	100	Vertical	Pass
6	812.837	35.85	-2.94	46.0	10.15	Peak	0.00	100	Vertical	Pass

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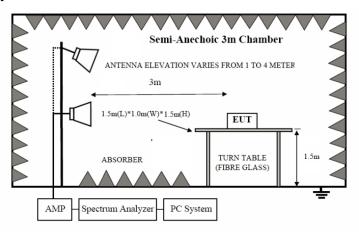


#### 7. Band Edge

#### 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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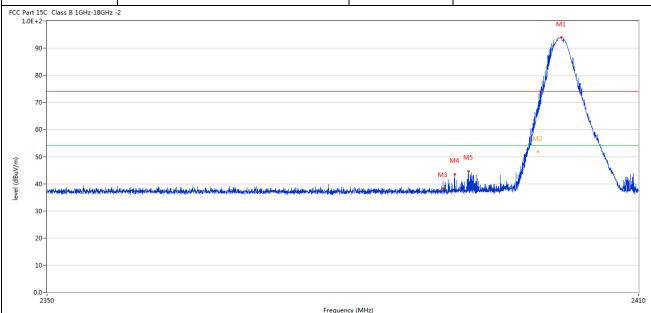
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#### 7.6 Test Result

Product:	GAMING HEADSET	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		1



N	lo.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1		2402.097	93.89	-3.57	74.0	19.89	Peak	261.00	100	Horizontal	N/A
2		2400.057	67.89	-3.57	74.0	-6.11	Peak	296.00	100	Horizontal	Pass
2	**	2400.057	51.84	-3.57	54.0	-2.16	AV	296.00	100	Horizontal	Pass
3		2390.010	38.17	-3.53	74.0	-35.83	Peak	145.00	100	Horizontal	Pass
4		2391.180	43.55	-3.53	74.0	-30.45	Peak	120.00	100	Horizontal	Pass
5		2392.619	44.69	-3.54	74.0	-29.31	Peak	281.00	100	Horizontal	Pass

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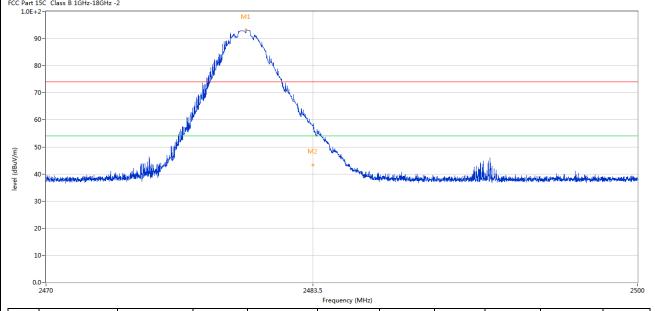
				1.83						
Product:		GA	MING HE	EADSET	De	tector		Ver	tical	
Mode		Keeping Transmitting			Test	Test Voltage		DC3.7V		
Te	mperature	24 deg. C,		Hui	midity	56% RH				
Te	Test Result: Pass							-		
CC Part 1	15C Class B 1GHz-18GH:	z -2			l l					
	90-									
9	90-								M1	
8	30-									
7	70-								/ \_	
6	50 -							/		
<u> </u>	50-					M4	M5	f		
BuV/m								M2	\	
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2	20-									
1	10-									
0.	.0-									24
	1				Frequency (MHz)		1		1	1
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdi
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2401.467	81.19	-3.57	74.0	7.19	Peak	0.00	100	Vertical	N/A
2	2400.005	56.33	-3.57	74.0	-17.67	Peak	10.00	100	Vertical	Pass
2**	2400.005	41.91	-3.57	54.0	-12.09	AV	10.00	100	Vertical	Pass
3	2390.055	37.47	-3.53	74.0	-36.53	Peak	194.00	100	Vertical	Pass
4	2389.755	44.00	-3.53	74.0	-30.00	Peak	112.00	100	Vertical	Pass
5	2394.059	44.41	-3.55	74.0	-29.59	Peak	283.00	100	Vertical	Pass

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Product:	GAMING HEADSET	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		
FCC Part 15C Class B 1GHz-18GHz -	2 M1		



	No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
	1	2480.115	93.15	-3.57	74.0	19.15	Peak	251.00	100	Horizontal	N/A
	2	2483.500	57.80	-3.57	74.0	-16.20	Peak	251.00	100	Horizontal	Pass
	2**	2483.500	43.57	-3.57	54.0	-10.43	AV	251.00	100	Horizontal	Pass
г											

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Product:		G/	AMING HE	EADSET	De	etector		Vertical		
Mode			eeping Tran	smitting	Test	Voltage		DC3.7V		
Temperature 24			24 deg.	C,	Hu	ımidity	56% RH			
Te	Test Result: Pass									
CC Part 1 1.0E+	.5C Class B 1GHz-18GHz -	2								
90	0-									
			M1							
80	0-		Mrd	N.						
70	0-			$\mathcal{N}$						
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60	0-		1	<i>N</i> .						
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30 20 10		rutusionai irraditati di dalah da		2483.5 Free	quency (MHz)		addinasilyssid addison	nialpas ja da landa	sialah sid singi bindid	2500
30 20 10		Results	Factor		quency (MHz)	Detector	Table	Height	ANT	I
30 20 10	0-	Results (dBuV/m)	Factor (dB)	Free	1	Detector	Table (o)	Height (cm)	ANT	I
30 20 10	0			Limit	Over Limit	Detector Peak		_	ANT Vertical	2500 Verdic

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 PCB antenna with gain 1.55dBi maximum. It fulfills the requirement of this section.

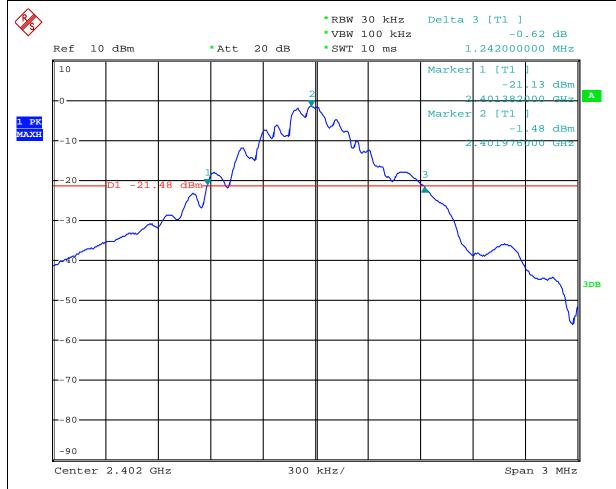
Test Result: Pass

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9.0 20dB Bandwidth Measurement							
GFSK Modulation							
Product:	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	1242kHz						



Date: 25.OCT.2023 15:17:26

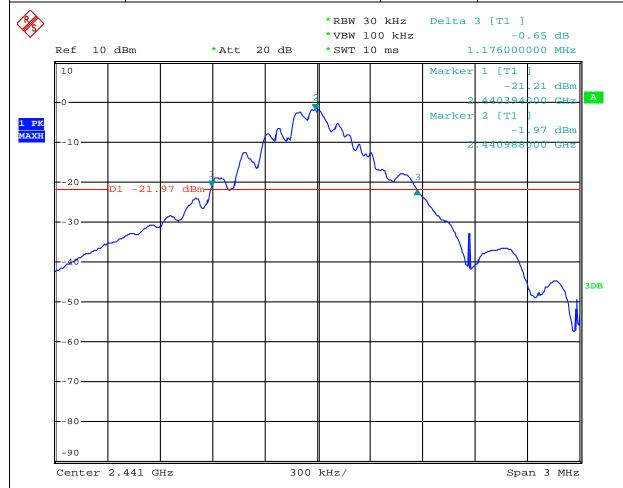
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GFSK Modulation								
Product:	GAMING HEADSET	Test Mode:	Keep transmitting					
Mode	Keeping Transmitting	Test Voltage	DC3.7V					
Temperature	24 deg. C,	Humidity	56% RH					
Test Result:	Pass	Detector	PK					
20dB Bandwidth	1176kHz							



Date: 25.OCT.2023 15:20:36

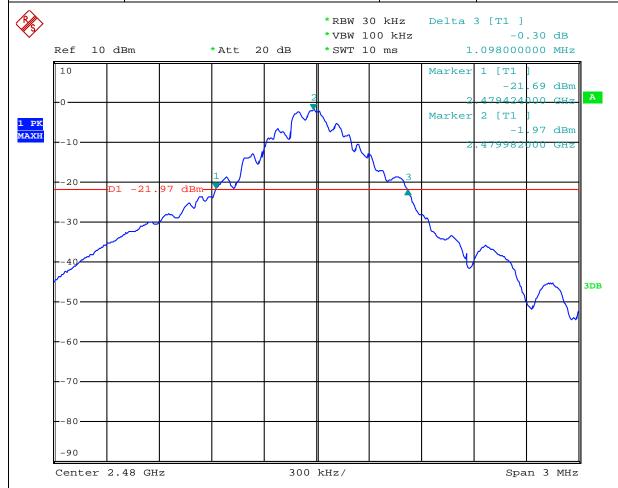
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GFSK Modulation								
Product:	GAMING HEADSET	Test Mode:	Keep transmitting					
Mode	Keeping Transmitting	Test Voltage	DC3.7V					
Temperature	24 deg. C,	Humidity	56% RH					
Test Result:	Pass	Detector	PK					
20dB Bandwidth	1098kHz							



Date: 25.OCT.2023 15:26:45

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#### 10.0 FCC ID Label

#### FCC ID: TUVET-9149A

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



Photographs – EUT

Please refer test report TW2309369-01E

## -- End of the report--

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