

Applicant: Eastern Times Technology Co.,Ltd

Product: WIRED+2.4G+BT GAMING HEADSET

Model No.: H858, ET-9165

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

Termy long

Terry Tang

Manager

Dated: May 13, 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

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Date: 2024-05-13



### **Special Statement:**

#### FCC-Registration No.: 744189

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

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

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

#### **A2LA (Certification Number:5013.01)**

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

CAB identifier: CN0033

Date: 2024-05-13



## **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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Photo of Test Setup and EUT View....

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#### 1.0 General Details

#### 1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

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

Village, Nanshan District, Shenzhen, China

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

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

#### 1.2 Applicant Details

Applicant: Eastern Times Technology Co.,Ltd

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

Guangdong, China.

#### 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

Additional Trademark: N/A
Model Number: H858
Additional Model Name ET-9165

Hardware Version: BBH-GP080-2.4G-Remote Ver1.5

Software Version: BBH-GP080-2.4G\_AC7018M8\_8M\_HW0.00\_SW0.0.0\_

D431-E0102D97\_20240316\_Ver1.5

Serial No.: RDM7222022042500001

Rating: DC5V, 350mA

Battery: DC3.7V, 750mAh Li-ion battery
Modulation Type: GFSK (Bluetooth Low Energy)

Operation Frequency: 2402-2480MHz

Channel Separate: 2MHz Channel Number: 40

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

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1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2024-04-03 to 2024-05-13

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		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

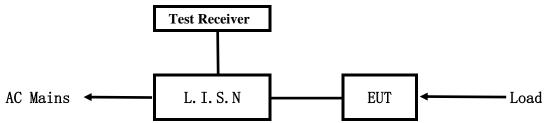
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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#### 5. Power Line Conducted Emission Test

#### 5.1 Schematics of the test

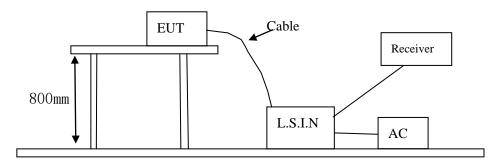


**EUT: Equipment Under Test** 

#### 5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2013. 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.

40 channels are provided to the EUT

#### A. EUT

Device	Manufacturer	Model	FCC ID
WIRED+2.4G+BT GAMING	Eastern Times	H858, ET-9165	TUVET-9165A
HEADSET	Technology Co.,Ltd	Позо, Е1-9103	10 VE1-9103A

#### B. Internal Device

		3	
Device	Manufacturer	Model	FCC ID/DOC

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N/A	27/4		
	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 (d	lB 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)

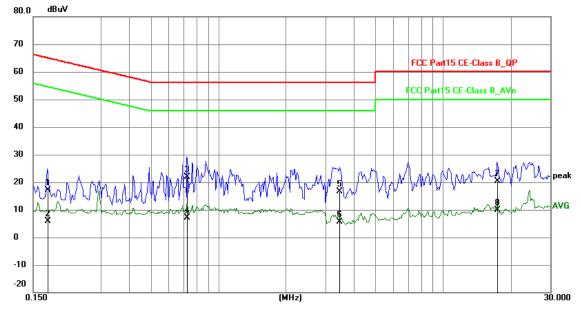
#### **EUT Operating Environment**

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	0.1734	7.44	9.77	17.21	64.80	-47.59	QP	Р
2	0.1734	-3.88	9.77	5.89	54.80	-48.91	AVG	Р
3	0.7272	12.15	9.78	21.93	56.00	-34.07	QP	Р
4	0.7272	-2.62	9.78	7.16	46.00	-38.84	AVG	Р
5	3.4719	6.84	9.86	16.70	56.00	-39.30	QP	Р
6	3.4719	-4.31	9.86	5.55	46.00	-40.45	AVG	Р
7	17.4612	9.78	10.53	20.31	60.00	-39.69	QP	Р
8	17.4612	-0.62	10.53	9.91	50.00	-40.09	AVG	Р

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

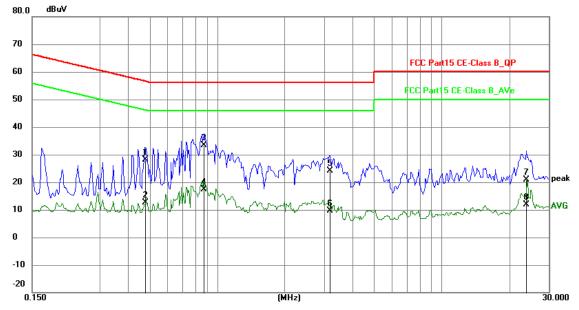
#### **EUT Operating Environment**

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	0.4776	18.45	9.77	28.22	56.38	-28.16	QP	Р
2	0.4776	2.98	9.77	12.75	46.38	-33.63	AVG	Р
3	0.8754	23.61	9.79	33.40	56.00	-22.60	QP	Р
4	0.8754	7.70	9.79	17.49	46.00	-28.51	AVG	Р
5	3.1716	14.18	9.85	24.03	56.00	-31.97	QP	Р
6	3.1716	-0.33	9.85	9.52	46.00	-36.48	AVG	Р
7	23.8806	9.90	10.92	20.82	60.00	-39.18	QP	Р
8	23.8806	0.86	10.92	11.78	50.00	-38.22	AVG	Р

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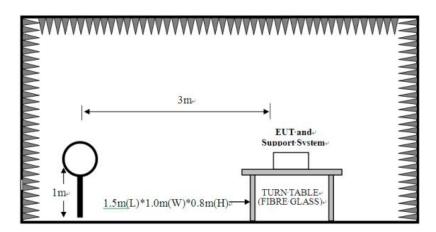


#### **6** Radiated Emission Test

- 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



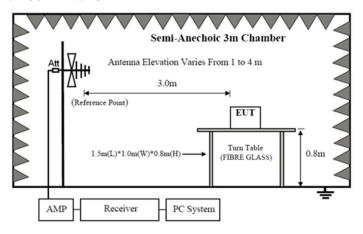
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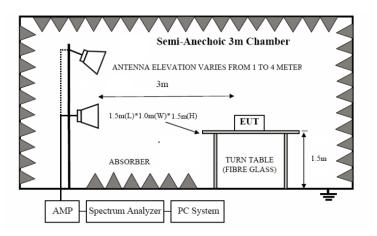
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For radiated emissions from 30MHz to1GHz



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	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 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)
0.490-1.70	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  $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 5. 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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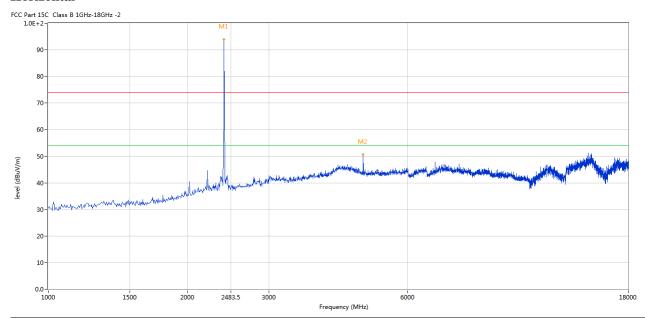
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#### 6.5 Test result

#### **A** Fundamental & Harmonics Radiated Emission Data

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

#### Horizontal



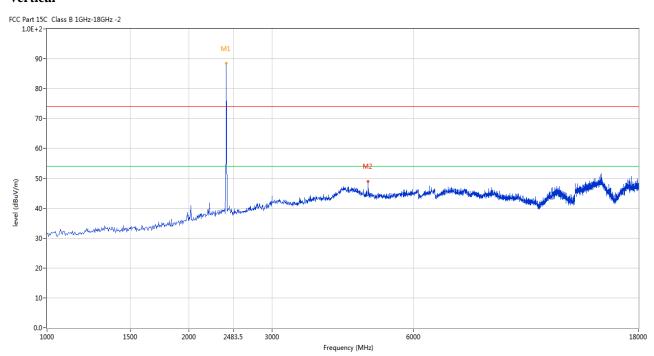
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2402	93.95	-3.57	114.0	-20.05	Peak	81.00	100	Horizontal	Pass
1**	2402	84.23	-3.57	94.0	-9.77	AV	81.00	100	Horizontal	Pass
2	4802.799	50.65	3.12	74.0	-23.35	Peak	81.00	100	Horizontal	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	88.46	-3.57	114.0	-25.54	Peak	177.00	100	Vertical	Pass
2	4802.799	48.97	3.12	74.0	-25.03	Peak	172.00	100	Vertical	Pass

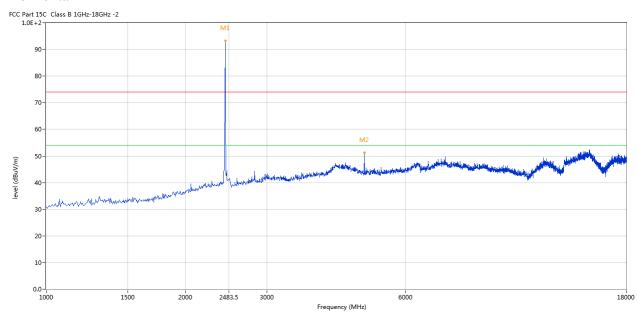
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Please refer to the following test plots for details: Middle Channel-2440MHz

#### **Horizontal**



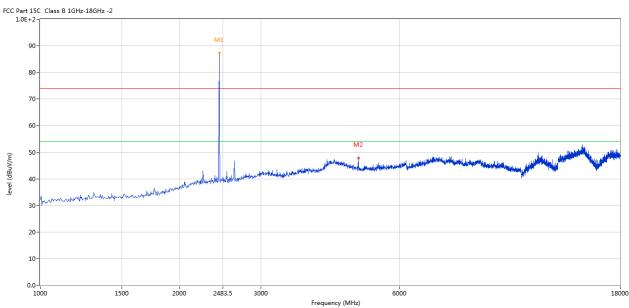
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	93.17	-3.57	114.0	-20.83	Peak	222.00	100	Horizontal	Pass
2	4879.280	51.29	3.20	74.0	-22.71	Peak	200.00	100	Horizontal	Pass

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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	2440	87.31	-3.57	114.0	-26.69	Peak	125.00	100	Vertical	Pass
2	4879.280	47.83	3.20	74.0	-26.17	Peak	272.00	100	Vertical	Pass

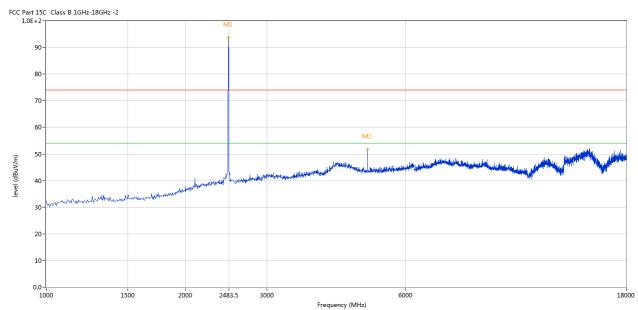
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Please refer to the following test plots for details: High Channel-2480MHz

#### **Horizontal**



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	93.80	-3.57	114.0	-20.20	Peak	229.00	100	Horizontal	Pass
1**	2480	84.08	-3.57	94.0	-9.92	AV	229.00	100	Horizontal	Pass
2	4960.010	51.71	3.36	74.0	-22.29	Peak	224.00	100	Horizontal	Pass

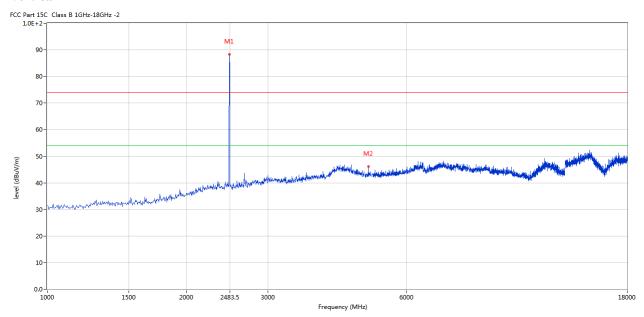
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#### Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	88.26	-3.57	114.0	-25.74	Peak	31.00	100	Vertical	Pass
2	4960.010	46.09	3.36	74.0	-27.91	Peak	10.00	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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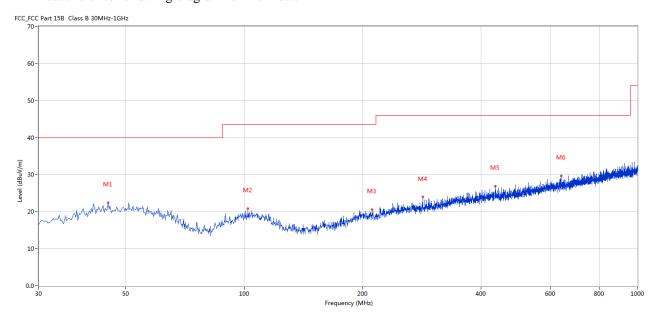


# B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	45.031	22.37	-11.41	40.0	17.63	Peak	351.00	100	Horizontal	Pass
2	102.247	20.83	-13.42	43.5	22.67	Peak	307.00	100	Horizontal	Pass
3	211.587	20.62	-13.68	43.5	22.88	Peak	235.00	100	Horizontal	Pass
4	284.319	23.93	-11.34	46.0	22.07	Peak	78.00	100	Horizontal	Pass
5	434.874	26.95	-8.01	46.0	19.05	Peak	144.00	100	Horizontal	Pass
6	639.493	29.64	-4.76	46.0	16.36	Peak	105.00	100	Horizontal	Pass

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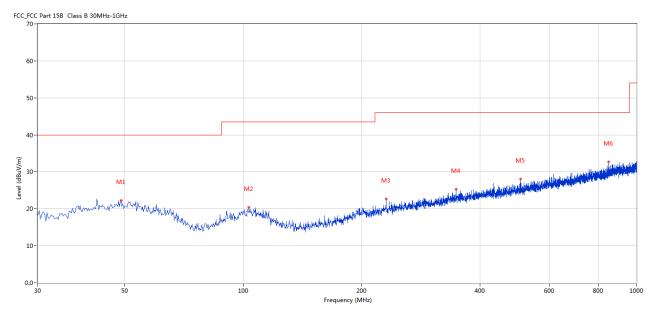


#### Radiated Emission In Vertical (30MHz----1000MHz)

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	48.910	22.32	-11.21	40.0	17.68	Peak	210.00	100	Vertical	Pass
2	103.459	20.40	-13.36	43.5	23.10	Peak	195.00	100	Vertical	Pass
3	231.225	22.67	-12.62	46.0	23.33	Peak	233.00	100	Vertical	Pass
4	347.353	25.27	-9.42	46.0	20.73	Peak	324.00	100	Vertical	Pass
5	506.878	28.13	-6.89	46.0	17.87	Peak	319.00	100	Vertical	Pass
6	848.475	32.71	-2.72	46.0	13.29	Peak	192.00	100	Vertical	Pass

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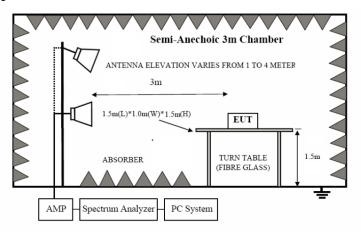


#### 7. Band Edge

#### 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.

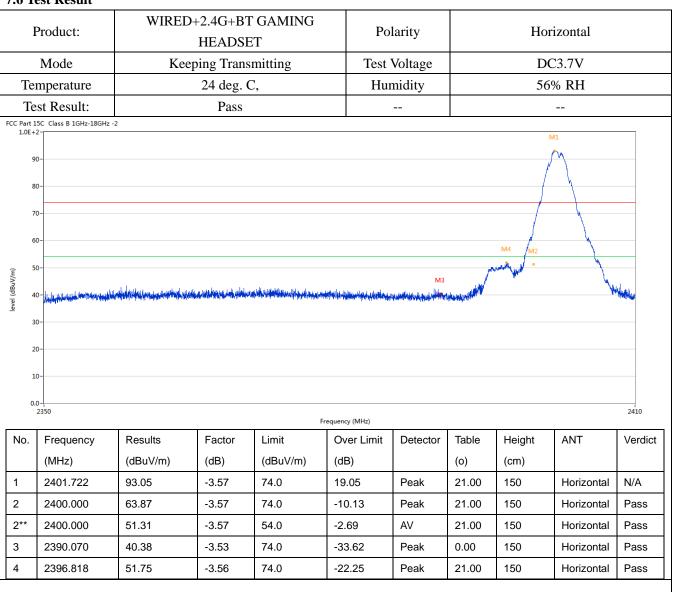
The report refers only to the sample tested and does not apply to the bulk.

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#### 7.6 Test Result



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Date: 2024-05-13

2396.728

48.22

-3.56

74.0

-25.78

Peak

132.00

150

Vertical

Pass



I	Product:	WIRED	D+2.4G+B' HEADS	Г GAMING ET	De	tector		Vert	ical	
	Mode	Kee	eping Trans	smitting	Test	Voltage		DC3	3.7V	
Te	mperature		24 deg.	C,	Hui	nidity		56%	RH	
Te	st Result:		Pass					_	_	
C Part 1	.5C Class B 1GHz-18GHz	-2								
2.02									M1	
9	0-								$\bigcap$	
8	0-							/		
7	0-									
_								/	\	
6	0-							M4		
5	0-						,	M2		١
4	O-	المتابعة الم	والمراجع والمراجع والأمر والأمر والمراجع والمراع	المراجع والمراجع والمناطقة والمالية	والمستوار والمساور والاستان والمستوارة	M ماسخة بدادو بخال إمل خطوع مع الزاريقي		W/F		Milaton
3	0-	A SHIPP PERSONNELS IN THE		reaction and a broken transfer		A testinal (transferred form) a resulting legistral				T THE P
·										
2	0-									
1	0-									
0.										
	2350				Frequency (MHz)					:
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verd
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
	2401.782	88.22	-3.57	74.0	14.22	Peak	132.00	150	Vertical	N/A
2	2400.006	60.16	-3.57	74.0	-13.84	Peak	97.00	150	Vertical	Pass
2**	2400.006	46.14	-3.57	54.0	-7.86	AV	97.00	150	Vertical	Pas
3	2390.055	37.63	-3.53	74.0	-36.37	Peak	281.00	150	Vertical	Pass
	ļ	+	-		<b>.</b>			<b> </b>	<b>.</b>	<b></b>

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]	Product:	WIRE	D+2.4G+ HEAD	BT GAMINO SET	J	Polarity		Н	orizontal	
	Mode	K	eeping Tra	nsmitting	Т	est Voltag	e	I	DC3.7V	
Te	mperature		24 deg	g. C,		Humidity		5	66% RH	
Te	est Result:		Pas	s						
8 7 6 5 S	70- 100- 100- 100- 100- 100- 100- 100- 1		M3	M			والمعارضة ويتحدرانية	e la la palación	and the second second second second	the Many Agent
3 2 1	20-									
3 2 1	20-			248.	3.5 Frequency (MHz)					2
3 2 1	10-	Results	Factor	248:		Detector	Table	Height	ANT	<sup>2</sup> Verdi
3 2 1 0.	.0- .0- .2470	Results (dBuV/m)	Factor (dB)	ı	Frequency (MHz)	Detector	Table (o)	Height (cm)	ANT	
3 2 1 0.	20- 			Limit	Over	Detector Peak		_	ANT Horizontal	
1 0. No.	Frequency (MHz)	(dBuV/m)	(dB)	Limit (dBuV/m)	Over Limit (dB)		(o)	(cm)		Verdi

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]	Product:	WIRED+2.4G+BT GAMING HEADSET				Detector		Vertical			
	Mode	Keeping Transmitting				Voltage	DC3.7V				
Temperature		24 deg. C,				Humidity		56% RH			
Те	est Result:	Pass									
CC Part 1 1.0E+	15C Class B 1GHz-18GHz	-2									
	10-		M1								
9			Jan. 1	<b>h</b>							
8	60-										
7	70-										
6	0-			M2							
		*									
€ 5	60-			<u> </u>							
(m//ngp) a	10 -			À	La contraction de la contracti	na kranikyhyhyhyhyh	المعالمة المتعادية والمتعادة	المعارضة الم	ر المساور	offer aphiford	
m/Vudb) level	Lithernoon	and the second s		À	harmon and the state of the sta	<del>n niya qoʻili qalqili qil</del> i q <u>il</u> i q <u>il</u> a <u>da da</u>	ngipangan dengadi jidi plikal	الميلات بالمياد والمساورة المساورة المياد	nder og skille fra fra skille fra	office amplificated.	
ω//ngp) level (dBu//γ)	10-	and the second s		À	ha harman salah da	المعادلة والمعادلة والمعاد	المائن أشبيبار جموسيان	مياه المراب والمستاومة الميدار المرابط والمعا	ndinovisi makadi in mondin	rifan apildas d	
س(Rpnn) اوموا عدد المراجعة	10 - Markandanadd y ffi printer a san a sa	manuscratter and the second			harang palable billedia	n nito and the facility of the state of the	المتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية والمتعادية و	dente de receptor de la constitució de	ىلىنىدىرىيىنى ئىلىدىلىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيى ئىلىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنىدىرىيىنى	rifocaristasi	
س(Rpnn) اوموا عدد المراجعة	10-	Commission of the second			har and the state of the state	nado entre forte de la comita de	ngdar yan dagaid dal Pada	denghan Juan Prompton Strandy Language	odine nyi wate od sia wonih	<del>office a picture</del>	
E/(\text{Angp})   44   3   3   3   2   3   4   4   4   4   4   4   4   4   4	10 - Markandanadd y ffi printer a san a sa	Marie		2483.5 Fr	equency (MHz)	० कर्मण कर्मार्थ पुरस्तिमा होते सहै और स्वेदक्ता	mikempa, kunid jid ilik ka	dentina deservações de adjultações	odipenyi wilisaki ilipopinyi	2500	
E/(\text{Angp})   44   3   3   3   2   3   4   4   4   4   4   4   4   4   4	10	Results	Factor			Detector	Table	Height	ANT	3000	
E/(/ngp)   44   3   3   2   1   1   0   0	0-2470	Results (dBuV/m)	Factor (dB)	Fr	equency (MHz)					2500	
E/(Appp)   44   3   3   3   3   3   3   3   3	00- 00- 00- 00- 00- 00- 00- 00- 00- 00-			Limit	equency (MHz)  Over Limit		Table	Height		2500	

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

Date: 2024-05-13



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#### 8.0 Antenna Requirement

#### **Applicable Standard**

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

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

Test Result: Pass

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Product:	h Measurement WIRED+2.4G+BT GAMING HEADSET				Test Mode:		Voon transmitting			
Mode							Keep transmitting			
		Keeping Transmitting				Test Voltage		DC3.7V		
Temperature			24 deg. 0	<i>-</i> ,		Humidity		56% RH		
Test Result:		Pass				Detector		PK		
20dB Bandwidth		1.238MHz								
<b>F</b>			1 [T1 r		RBW	100 kHz		RF Att 20 dB		dB
Ref Lvl		ndB 20.00 dB VBW				300 kHz				
10 dBm		BW 1	.238476	95 MHz	SWT	5 m	ıs	Unit		dBm
					1	▼1	[T1]		2.41	dBm A
								2.402	02705	GHz
0			,		<u> </u>	ndi			20.00 0	iВ
						BW		1.238		4Hz
-10			e de la companya de l			V <sub>T</sub>	L [T1	2.401		dBm GHz
		T	1			<b>†</b> ⊽π3	T2 7[T1			dBm
-20		<u>ار</u>				* + -	1	2.402	64028	3HZ
1MAX		<i></i>					1			1M
-30		mound						and the		
	MARK							1	t-	
-40	F								W.	
-40									A. F.	
									74	Mer
-50										
-60										
-70										
-80										
-90 Center 2.	402 G	H z	l .	300	kHz/	l.	L		pan 3 1	MH z
	102 9			300	/			5		

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Product:	WIRED+2.4G+	ET	Test Mode:		Keep transmitting			
Mode	Keepi		Test Voltage		DC3.7V			
Temperature		24 deg. C,		Humidity		56%	RH	
Test Result:			Detector		PK			
20dB Bandwidth		1.220MHz						
(E)	Marker	1 [T1 ndB]	RB'	W 100 ki	Hz RI	F Att	20 dB	
Ref Lvl	ndB	20.00 dB	VB'		Ηz			
10 dBm	BW	1.22044088 MHz	SW	T 5 m:	s Ur	nit	dBm	
10			1	▼1	[T1]	4	.00 dBm	A
		~~	<b>\</b>	4		2.44002	705 GHz	~
0		1		ndB		20	.00 as	
		A Property of the second		BW ▼T1	[T1]	1.220440 -15	088 MHz .97 dBm	
-10		T1			r2	2.43941	984 GHz	
		<b>X</b>		<b>▽</b> ⊤2	(T1)	-16	.11 dBm	
-20	1					2.440640	028 GHz	1MA
	A STATE OF THE STA				The same	ham.		1144
-30								
-40								
- Carroll							The sale	
-50							•	
-60								
-70								
, ,								
-80								
-30								
-90								
Center 2	.44 GHz	300 1	kHz/			Spar	n 3 MHz	•
Date: 18	3.APR.2024 1	8:00:48						

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Product:	WIRED+2.4G+F	ET T	est Mode:	Keep transmitting				
Mode	Keepir	Te	est Voltage	DC3.7V				
Temperature	2	]	Humidity	56% RH				
Test Result:		Pass		Detector		PK		
20dB Bandwidth	1							
<b>F</b>	Marker	1 [T1 ndB]	RBW	100 kH	z RF	Att 2	0 dB	
Ref Lvl	ndB	20.00 dB	VBW	300 kH				
10 dBm	BW 1	1.22645291 MHz	SWT	5 ms	Uni	.t	dBm	
		1		▼1 [	[T1]	4.5	9 dBm	A
0		\	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\		2	.4800330	7 GHz	
		p and		ndH BW	1	20.0	0 aB 1 MHz	
-10				V <sub>V</sub> 1	[T1]		9 dBm	
	5	<i>y</i>		T	2 2	.4794138	3 GHz	
-20				<b>▽</b> ⊤2 <b>&gt;</b>	[T1]	-15.4	5 dBm	
1MAX					2	.4806402	8 GHz	1MA
-30	THE WALL				Low			
						1		
-40							The state of the s	
-50								
-60								
-70								
-80								
-80								
-90 Center 2	. 48 GHz	300 k	Hz/			Span	3 MHz	
	3.APR.2024 18		/			22411		

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#### 10.0 FCC ID Label

#### FCC ID: TUVET-9165A

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:**



FCC Label Location

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#### 11.0 Photo of testing

#### 11.1 Conducted test View--



Date: 2024-05-13



#### Radiated emission test view





Photographs - EUT

Please refer test report TW2404081-01E

#### --End of the report--

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

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