

TW2409071-01E Report No.: Applicant: Eastern Times Technology Co., Ltd Product: WIRELESS ONE-HANDED HOT-SWAPPABLE MECHANICAL KEYBOARD Model No.: K585RGB-PRO, ET-8994 Trademark: REDRAGON Test Standards: FCC Part 15.249 It is herewith confirmed and found to comply with the Test result: requirements set up by ANSI C63.10 & FCC Part 15 Subpart C, Paragraph 15.249 regulations electromagnetic compatibility Approved By Terry long Terry Tang Manager Dated: September 19, 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

for

the

evaluation

of

# 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



## **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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### 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:	WIRELESS ONE-HANDED HOT-SWAPPABLE MECHANICAL
	KEYBOARD
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:	K585RGB-PRO
Additional Model Name	ET-8994
Rating:	Input: DC5V, 638mA or DC3.7V, 138mA
Battery	DC3.7V, 3000mAh Li-ion battery
Modulation Type:	GFSK
Operation Frequency:	2405-2475MHz
Channel List (Unit: MHz):	2405, 2426, 2441, 2463, 2407, 2422, 2445, 2466, 2414, 2436, 2459, 2473,
	2419, 2439, 2453, 2475
Hardware Version:	8882-A RX V1
Software Version:	6a623b1c
Serial No.:	RDK585RGB-PRO23102800431
Antenna Designation	PCB antenna with gain 2.34dBi Max (Get from the antenna specification)

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- 1.4 Submitted Sample: 2 Samples
- 1.5 Test Duration 2024-09-10 to 2024-09-19
- 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

Andy -Xing

The sample tested by

Print Name: Andy Xing

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

### 2.2 Automation Test Software

For Conducted Emission Test

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

#### For Radiated Emissions

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

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The EUT has been tested according to the following specifications:

#### **3.0** Technical Details

#### 3.1 Summary of test results

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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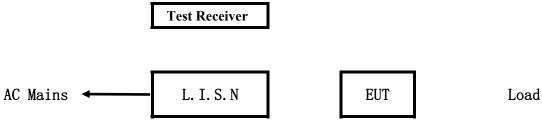
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### 5. Power Line Conducted Emission Test

5.1 Schematics of the test

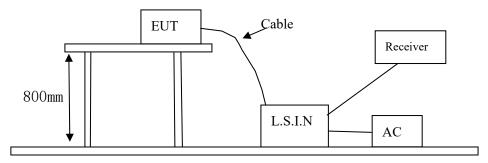


EUT: Equipment Under Test

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 50ohm/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. 16 channels are provided to the EUT

A.	EUT
11.	LUI

Device	Manufacturer	Model	FCC ID
WIRELESS ONE-HANDED			
HOT-SWAPPABLE	Eastern Times Technology	K585RGB-PRO,	
MECHANICAL	Co., Ltd	ET-8994	TUVET-8994A
KEYBOARD			

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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

<u> </u>		
Frequency	Limits (d	lBμV)
(MHz)	Quasi-peak Level	Ave ag Level
$0.15~\sim~0.50$	66.0~56.0*	56.0~46.0*
$0.50~\sim~5.00$	56.0	46.0
$5.00~\sim~30.00$	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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Conducted Emission on Live Terminal (150kHz to 30MHz) A: **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 dBu¥ 80.0 70 FCC Part15 CE-Class B\_QP 60 FCC Part 5 CE-Class B\_AVe 50 40 Deak 30 And AVG 20 10 0 -10 -20 0.150 (MHz) 30.000 Frequency Reading Limit Factor Level Margin No Detector P/F

	110.	(MHz)	(dBuV)	(dB)	(dBuV)	(dBuV)	(dB)	20000	1 /1
	1	0.2085	24.16	9.75	33.91	63.26	-29.35	QP	Ρ
	2	0.2085	20.49	9.75	30.24	53.26	-23.02	AVG	Ρ
	3	0.3021	27.40	9.76	37.16	60.18	-23.02	QP	Ρ
	4	0.3021	18.97	9.76	28.73	50.18	-21.45	AVG	Ρ
	5	4.3689	20.36	9.90	30.26	56.00	-25.74	QP	Ρ
	6	4.3689	8.92	9.90	1 <mark>8.</mark> 82	46.00	-27.18	AVG	Ρ
	7	15.8466	21.83	10.43	32.26	60.00	-27.74	QP	Ρ
I	8	15.8466	16.67	10.43	27.10	50.00	-22.90	AVG	Ρ

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Conducted Emission on Neutral Terminal (150kHz to 30MHz) **B**: **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 dBu¥ 80.0 70 FCC Part15 CE-Class B\_QP 60 FCC Part 5 CE-Class B\_AVe 50 40 peak 30 AVG 20 10 0 -10 -20 (MHz) 0.150 30.000 Frequency Reading Factor Level Limit Margin P/F No. Detector (MHz) (dBuV) (dB)(dBuV) (dBuV) (dB) 0.1773 Ρ 1 26.28 9.77 36.05 64.61 -28.56 QP 2 Ρ 0.1773 10.12 9.77 19.89 54.61 -34.72 AVG 3 0.2280 21.65 9.75 31.40 62.52 -31.12 QP Ρ

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4

5

6

7

8

0.2280

4.2831

4.2831

17.0166

17.0166

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9.75

9.90

9.90

10.50

10.50

4.69

20.23

9.77

21.29

14.99

14.44

30.13

19.67

31.79

25.49

52.52

56.00

46.00

60.00

50.00

AVG

QP

AVG

QP

AVG

-38.08

-25.87

-26.33

-28.21

-24.51

Ρ

Ρ

Ρ

Ρ

Ρ

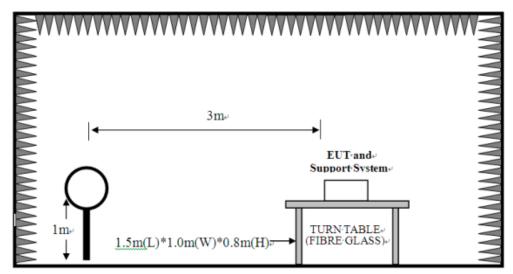


### 6 Radiated Emission Test

- 6.1 Test Method and test Procedure:
- 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



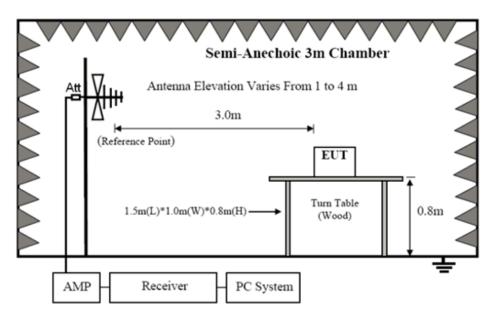
For radiated emissions from 30MHz to1GHz

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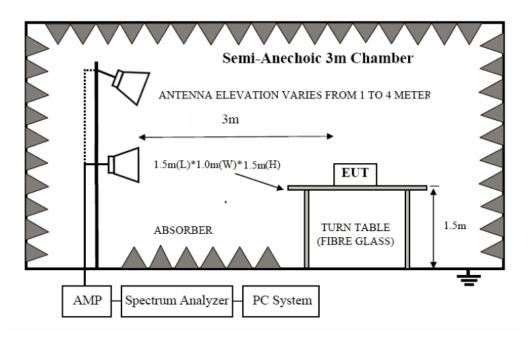
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For radiated emissions above 1GHz



- 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)
N. 1 DEE 110	(1 ( 1D IV)	OOL DEVI				

### 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
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

#### Note:

1. RF Voltage (dBuV) =  $20 \log RF$  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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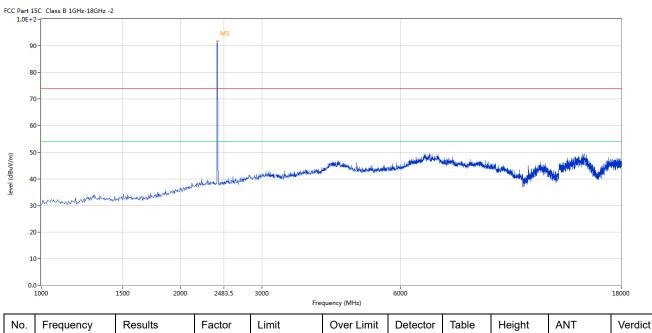


### 6.5 Test result

### A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2405MHz

#### Horizontal



(dB)

-22.23

(o)

78.00

Peak

(cm)

100

Horizontal

Pass

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

(dBuV/m)

91.77

(MHz)

2405

1

(dB)

-3.57

(dBuV/m)

114.0

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2405

1

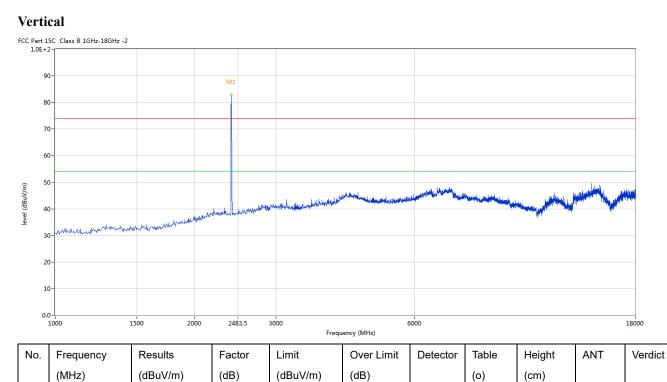
82.77

-3.57

114.0

-31.23





102.00

100

Vertical

Pass

Peak

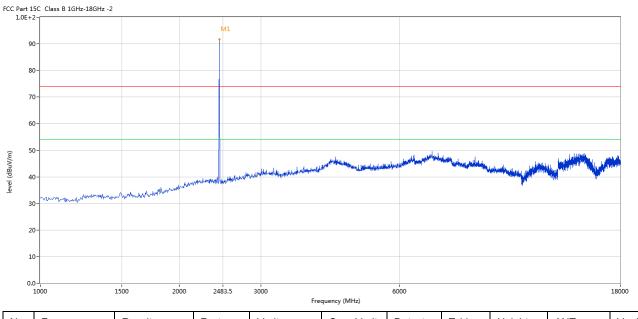
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### Please refer to the following test plots for details: Middle Channel-2441MHz

#### Horizontal

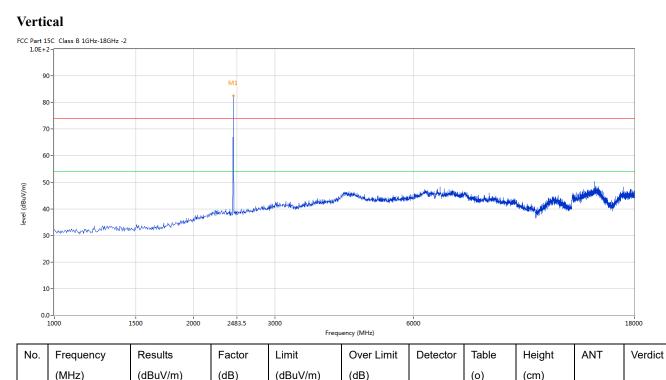


Ν	lo.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1		2441	91.62	-3.57	114.0	-22.38	Peak	65.00	100	Horizontal	Pass

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272.00

100

Vertical

Pass

Peak

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

82.51

-3.57

114.0

-31.49

2441

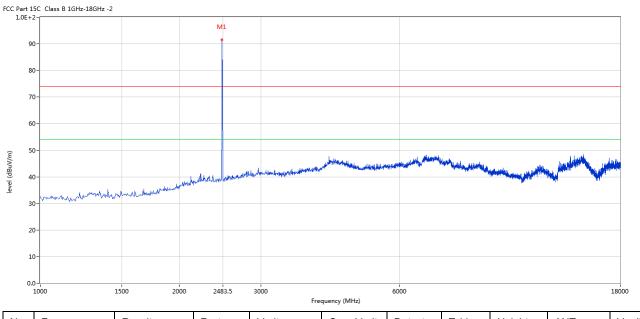
1

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### Please refer to the following test plots for details: High Channel-2475MHz

#### Horizontal

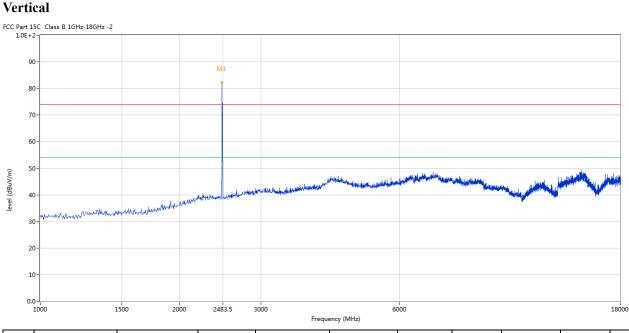


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(0)	(cm)		
1	2475	91.45	-3.57	114.0	-22.55	Peak	78.00	100	Horizontal	Pass

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No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2475	82.38	-3.57	114.0	-31.62	Peak	86.00	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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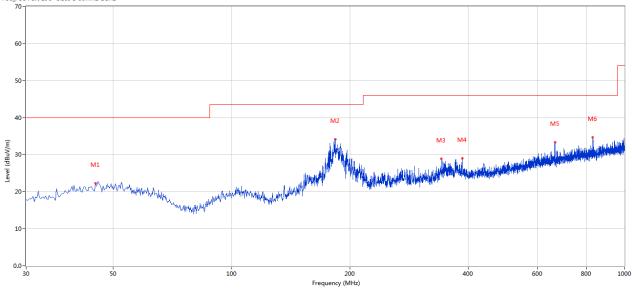
### B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

### Results: Pass

Please refer to following diagram for individual

FCC\_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	45.031	22.34	-11.41	40.0	17.66	Peak	353.00	100	Horizontal	Pass
2	183.464	34.09	-14.96	43.5	9.41	Peak	285.00	100	Horizontal	Pass
3	341.535	28.89	-9.72	46.0	17.11	Peak	285.00	100	Horizontal	Pass
4	386.143	29.06	-9.10	46.0	16.94	Peak	257.00	100	Horizontal	Pass
5	665.191	33.33	-4.44	46.0	12.67	Peak	262.00	100	Horizontal	Pass
6	829.565	34.66	-2.89	46.0	11.34	Peak	336.00	100	Horizontal	Pass

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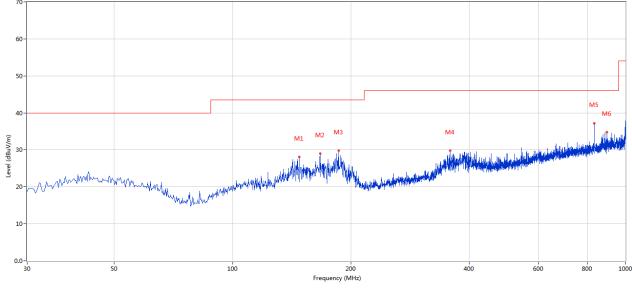
### Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

### Results: Pass

Please refer to following diagram for individual

FCC\_FCC Part 15C Class B 30MHz-1GHz



No.	Frequency	Results	Factor	Limit	Margin	Detector	Table	Height	Antenna	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(Degree)	(cm)		
1	147.826	28.12	-17.19	43.5	15.38	Peak	268.00	100	Vertical	Pass
2	166.978	28.95	-16.08	43.5	14.55	Peak	200.00	100	Vertical	Pass
3	186.131	29.79	-14.77	43.5	13.71	Peak	212.00	100	Vertical	Pass
4	357.536	29.74	-9.50	46.0	16.26	Peak	300.00	100	Vertical	Pass
5	832.717	37.18	-2.87	46.0	8.82	Peak	332.00	100	Vertical	Pass
6	896.963	34.87	-1.76	46.0	11.13	Peak	332.00	100	Vertical	Pass

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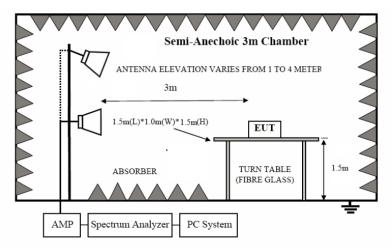


### 7. Band Edge

### 7.1 Test Method and test Procedure:

- 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.

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#### 7.6 Test Result

Pr	roduct:		APPAB	ONE-HANE LE MECHA BOARD		Pola	rity		Horizontal	
1	Mode	k		Fransmitting	r I	Test Vo	oltage		DC3.7V	
	nperature			leg. C,	,	Humi	-		56% RH	
	t Result:			Pass			-			
	C Class B 1GHz-18GHz	-2								
1.0E+2-							M1			
90-							<i>∕</i> n <sup>i</sup> Mu.			
80-										
70-							W) (M	1.		
~										
60-							<b>5</b>			
							1			
60- 50-				МЗ		M2	1			
	nglermálákeisserkinseretkeris	lika analinga at on physical physical and the	landar washi serensi kiti paket	M3	ะเอาระการสินไม่เข้าเสียงเป็นไหร่องเป็น	M2	1			alities, surface for the
50-		llannisk gest er tragt og soviet	landa weedhatan shirta dada		erssen belandelsen betreeten	M2	<u>n</u>		saanaa see ah	. bie a la sette de
50- 40-	ะศูประหารักรีสุขรับระหว่างการรู้ไหวรับ	llan na dhaga ti ca bhaga tha an shi	landa seryik site yang kilak bandar		eraine, shi in a dina di kasa an	M2	<u></u>		saan tah digi tahan tah jati di sag <sup>1</sup> digi di	. they are have to be
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50- 40- 30-		l his an the gent on block by a state	na da un historia se		างราย แต่ประเทศไทย เห็น	M2			inna stran stran strang strang	, the should be
50- 40- 30- 20- 10-		llassaslingasteringisteringisteringi	in de see hinterestation des		มุลเหตุ เข้าไปเหตุสังหุปรี่สุดสาสส	M2			iner with high the ships of the	2420
50- 40- 30- 20- 10-		llais na shek qan i co tangb bela na ta	ing de west her south in Ander		Frequency (Mł				ianna) sigisine bijajising sigisi	2420
50- 40- 30- 20- 10- 0.0- 23		Results	Factor				Table (o)	Height	ANT	
50- 40- 30- 20- 10-	2 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 / 1 /	Results (dBuV/m)		eeihlisten niterenin direet	Frequency (Mł	1z)	Table (o)	Height (cm)	ANT	
50- 40- 30- 20- 10- 23 0.0- 23	Frequency		Factor	Limit	Frequency (Mł	1z)	Table (o) 68.00	-	ANT	
50- 40- 30- 20- 10- 0.0- 23	<sup>570</sup> Frequency (MHz)	(dBuV/m)	Factor (dB)	Limit (dBuV/m)	Frequency (Mł Over Limit (dB)	1z) Detector		(cm)		Verdict

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				E-HANDED						
]	Product:	HOT-SWA	PPABLE N	MECHANICA	AL I	Detector		I	/ertical	
			KEYBOA	ARD						
	Mode	Ke	eping Tran	smitting	Те	st Voltage		Ľ	DC3.7V	
Te	mperature		24 deg.	C,	H	Iumidity		5	6% RH	
Te	est Result:		Pass							
C Part 1 1.0E+	5C Class B 1GHz-18GHz 2-	-2								
9	0-					٩	/1			
8	0-					A	M			
7	0-						May.			
6	0-									
6	0-						III			
								li A.		
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	0-	รดงระบบสายเหลือ ระบบสาย ราย	usty at a star had so the start of the start	M3	anala siya kana kana kaini kan	M2		Markey very service	iner bis min been bore die bestelijken weter	
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5 - 4	0- 	ระแรงสารเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อยังเหต่อย	nastan kina kina kina kina kina kina kina ki	M3 start, i obijita i kalenderster d	ineditation the state of the state	M2		Multimani, and an	n na isan ka berdira tika	(6.54
5 5 5 4	0- 	in equalistic termination in the second	unga, til sekk har sed tegninger	M3	an an the second se	M2		Millionana	navites no bec bondismostitus	(blimmeret
5 4 3 2 1 1	0- 	in an in the standard and	uestantik onton katantak litepakante	M3 Vert - doning aloteon line of	ander with the second and the second	M2		Multiman	una keran beraktan sebaha	
5 4 3 2 1 1	0- 	in court and the interval of the second s	ungan till verkin her social tegyslenser	iter (fastræde æksterer eller av el	equency (MHz)			Multimuration	iner its and an address to be	2420
5 4 3 2 1 1	0- 	Results	Factor	iter (fastræde æksterer eller av el	444 <b>6.6798.899</b> .999.999.999.999.999.99	Detector	Table	Height	ANT	2420
5 4 3 2 1 0.	0- 0- 0- 0- 0- 2370	Results (dBuV/m)	Factor (dB)	den febrier de ferrier d	equency (MHz)		Table (o)	Height		2420
3 2 1 0.	0- 			Fr Limit	equency (MHz)			_		2420
5 4 3 2 1 1	0- 0- 0- 0- 0- 2370 Frequency (MHz)	(dBuV/m)	(dB)	Fr Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	(0)	(cm)	ANT	2420

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-	Product:			NE-HANDE E MECHAN OARD		Pola	arity		Horizonta	ıl
	Mode	ŀ	Keeping Ti	ransmitting		Test V	oltage		DC3.7V	
Te	emperature		24 de	eg. C,		Hum	idity		56% RH	
Te	est Result:		Pa	SS		-	-			
1.0E +	15C Class B 1GHz-18GHz +2- 90- 80- 70- 50- 50-	-2 M1								
2	40		, t ui M	M2	arágas-ndogosta ason drák dék	ari offi a the Distant Sector Africa	aloon, yn den oersterige	ne-land second second de serve	bezeret disen version het en en bezer	
3 2 1	20-			M2	5 Frequency (MHz)	un finne hinte hinte hinte hinte hinter of the	eletter og skradessier	ndolako (antika)	degreed discussion for the second	2500
3 2 1	20	Results (dBuV/m)	Factor (dB)	2483. Limit (dBuV/m)		Detector	Table (o)	Height (cm)	ANT	2500 Verdic
2 2 t 0	20- 10- 2470 Frequency			Limit	Frequency (MHz)	Detector		-	ANT	r

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	Product:	HOT-SWA	APPABLE KEYBO			Detector			ertical	
	Mode	Ke	eping Tran	nsmitting	Te	st Voltage		D	C3.7V	
Te	emperature		24 deg.	. C,	H	lumidity		56	% RH	
Т	est Result:		Pass	\$						
1.0E	90-	M1								
level (dbuV/m)	60			M2 2483.5 Freque	ฟูงพระกับเป็นอยู่จ	untere descende a conde	indonie in ternedarie	,logyes,babashees, plashadh	ike derben tiegen bei geben de fahr	2500
level (dbuV/m)	50 - 40 - 40 - 40 - 40 - 40 - 40 - 40 -	Results	Factor	Freque		Detector	Table	Height	ANT	2500 Verdic
level (dbuV/m)	50	Results (dBuV/m)	Factor (dB)	Freque Limit (	ency (MHz)					
level (dbuV/m)	50- 40- 30- 20- 10- 2470 Frequency			Freque Limit ( (dBuV/m) (	ency (MHz) Over Limit		Table	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 PCB antenna. The antenna gain is 2.34dBi Max. It fulfills the requirement of this section. Test Result: Pass

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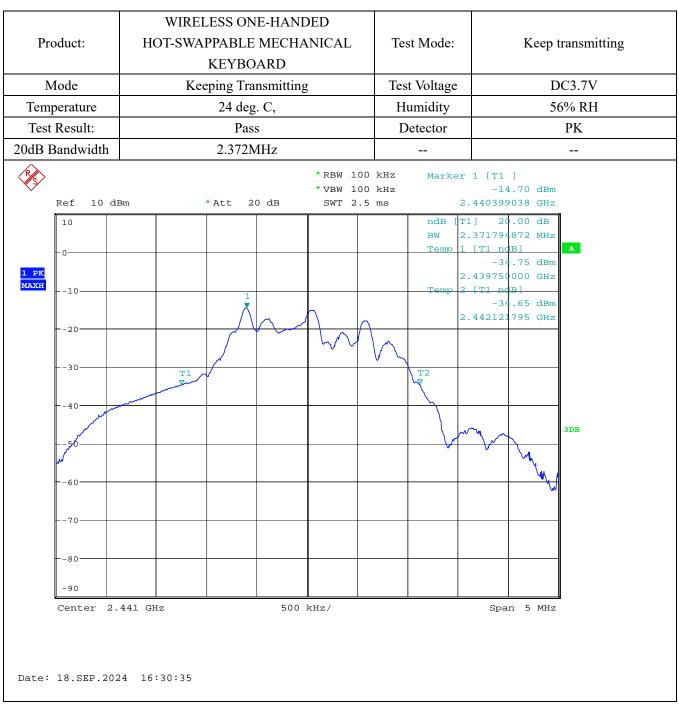


	WIRELESS ONE-HANDED HOT-SWAPPABLE MECHANICAL KEYBOARD				
Product:			Test Mode:	Keep transmitting	
Mode	Keeping Transmitting		Test Voltage DC3.7		'V
Temperature	24 deg. C,		Humidity	56% RH	
Test Result:	Pass		Detector	РК	
20dB Bandwidth	2.420MHz				
<b>N</b> S		*RBW 100		c 1 [T1 ]	
Ref 10 dBm	n *Att 20 dB	* VBW 100 1 SWT 2.5		-14.84 dBm 2.404399038 GHz	
10				F1] 20.00 dB	
				2.419871795 MHz 1 [T1 ndB] A	
-0				-34.75 dBm	
1 PK MAXH10				2.403685897 GHz 2 [T1 ndB]	
			-	-34.80 dBm	
-20				2.406105769 GHz	
			$\wedge$		
	T1	, ,	T2		
	ment and a second secon		The second second		
-40					
-50				3DE	3
~ S0			· ·	" hy	
-60					
				<u></u>	
-80					
-90					
Center 2.40	05 GHz 500	kHz/	`	Span 5 MHz	

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adopt any other remedies which may be appropriate.





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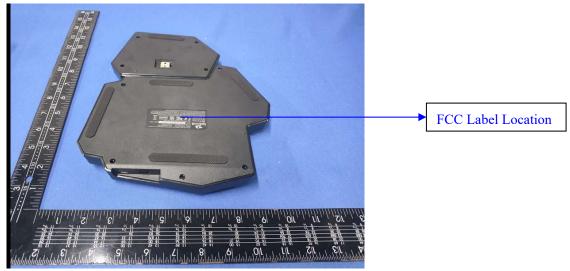
### 10.0 FCC ID Label

### FCC ID: TUVET-8994A

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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:



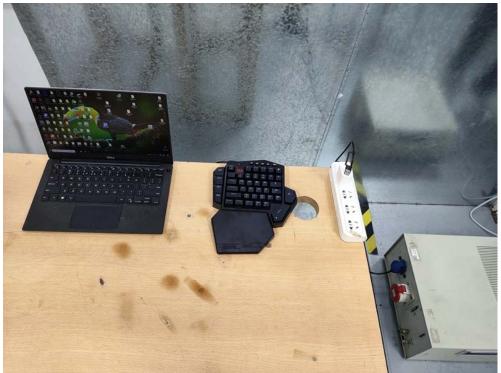
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#### 11.0 Photo of testing

11.1 Conducted test View--



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Radiated emission test view



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11.2

Outside View-Keyboard



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Outside View-Keyboard



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Outside View-Keyboard

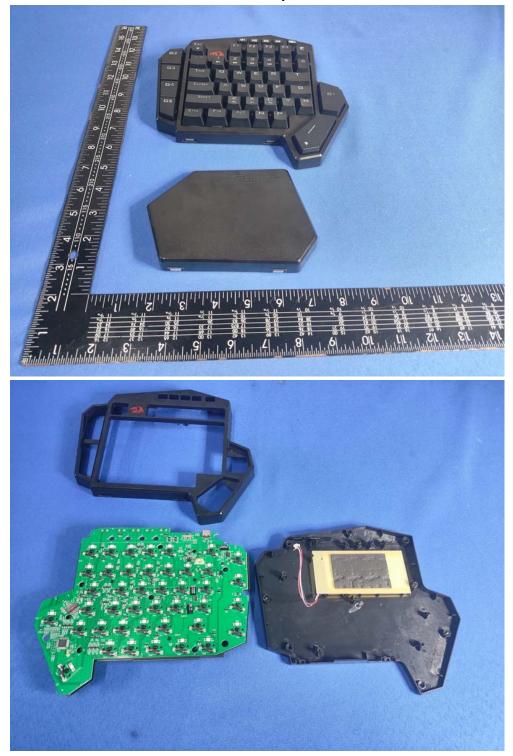


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Inside View-Keyboard



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Inside View-Keyboard



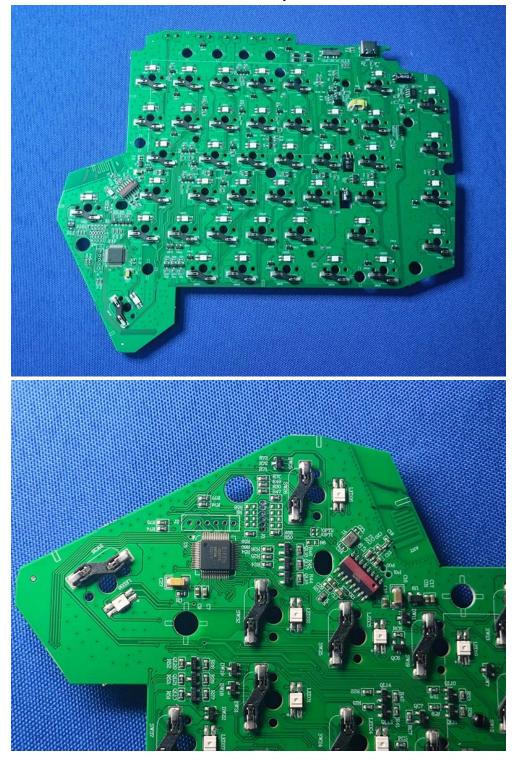
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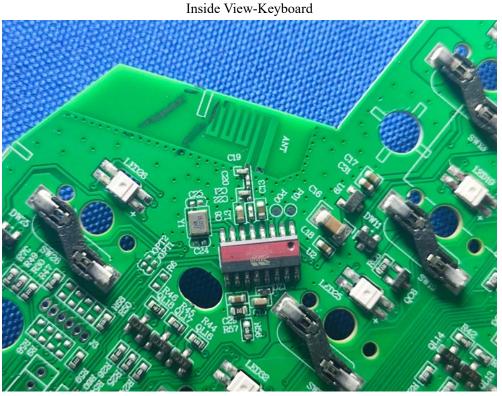
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Inside View-Keyboard



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--End of the Report--

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