

Report No.: TW2409077-01E Applicant: Eastern Times Technology Co., Ltd Product: WIRELESS FULL SIZE HOT-SWAPPABLE RGB MECHANICAL Model No.: K580RGB-PRO, ET-8975 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 for the evaluation electromagnetic compatibility Approved By

Terry long

Terry Tang

Manager

Dated:

September 14, 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

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 v	vith the Federal Communications Commission – United Sates		
Registration 1	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

Description of LOT			
Product:	WIRELESS FULL SIZE HOT-SWAPPABLE RGB MECHANICAL		
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:	K580RGB-PRO		
Additional Model Name	ET-8975		
Rating:	Input: DC5V, 770mA or DC3.7V, 260mA		
Battery	DC3.7V, 2500mAh Li-ion battery		
Modulation Type:	GFSK		
Operation Frequency:	2405-2475MHz		
Channel List (Unit: MHz):	2405, 2463, 2441, 2426, 2408, 2466, 2445, 2422, 2414, 2471, 2459, 2433,		
	2419, 2475, 2453, 2447		
Hardware Version:	8975-A TX V1		
Software Version:	2080		
Serial No.:	RDK580RGB-PRO24052001489		
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 2024-09-14
- 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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adopt any other remedies which may be appropriate.



The EUT has been tested according to the following specifications:

3.0 Technical Details

3.1 Summary of test results

The EOT has been tested according to th			
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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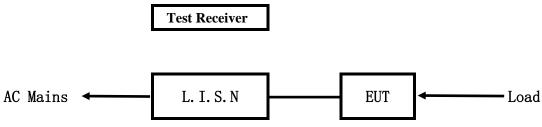
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5. Power Line Conducted Emission Test

5.1 Schematics of the test

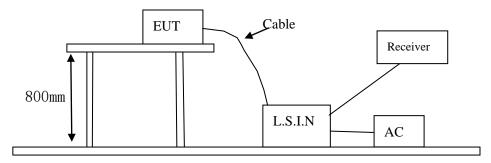


EUT: Equipment Under Test

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

Device	Manufacturer	Model	FCC ID
WIRELESS FULL SIZE HOT-SWAPPABLE RGB MECHANICAL	Eastern Times Technology Co., Ltd	K580RGB-PRO, ET-8975	TUVET-8975A

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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

	0 0 1	1
Frequency	Limits (d	B 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
$5.00~\sim~30.00$	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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A: Conducted Emission on Live Terminal (150kHz to 30MHz) **EUT Operating Environment** Humidity: 65%RH Atmospheric Pressure: 101 kPa Temperature: 26°C **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 15 CE-Class B AVe 50 40 30 neal 20 Vh AVG 10 0 -10 -20 (MHz) 0 150 30.000 Frequency Reading Factor Level Limit Margin No. Detector P/F (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 1 0.1773 26.43 9.77 36.20 64.61 -28.41 QP Ρ 2 0.1773 10.26 9.77 20.03 -34.58 AVG Ρ 54.61 3 0.2241 9.75 Ρ 21.21 30.96 62.67 -31.71 QP 4 0.2241 7.84 9.75 17.59 52.67 -35.08 AVG Ρ 5 Ρ 1.5540 15.43 9.80 25.23 56.00 -30.77 QP 6 1.5540 8.24 9.80 18.04 AVG Ρ 46.00 -27.96 7 10.6440 21.60 10.19 31.79 60.00 -28.21 QP Ρ 8 10.6440 15.60 10.19 25.79 50.00 -24.21 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 15 CE-Class B AVe 50 40 30 peak 20 AVG 10 0 -10 -20 (MHz) 0 150 30.000 Frequency Reading Factor Level Limit Margin Detector P/F No. (MHz) (dBuV) (dB) (dBuV) (dBuV) (dB) 0.1695 28.32 9.77 38.09 64.98 -26.89 QP Ρ 1 2 Ρ 0.1695 11.51 9.77 21.28 54.98 -33.70 AVG 3 0.2124 24.29 9.75 34.04 63.11 -29.07 QP Ρ 4 0.2124 10.23 9.75 19.98 Ρ 53.11 -33.13 AVG

16.33

9.59

22.00

16.09

9.80

9.80

10.19

10.19

26.13

19.39

32.19

26.28

56.00

46.00

60.00

50.00

-29.87

-26.61

-27.81

-23.72

QP

AVG

QP

AVG

Ρ

Ρ

Ρ

Ρ

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

5

6

7

8

1.8348

1.8348

10.6947

10.6947

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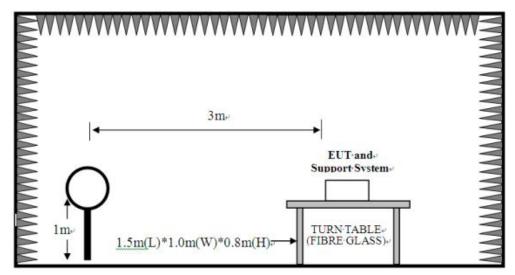


6 Radiated Emission Test

- 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

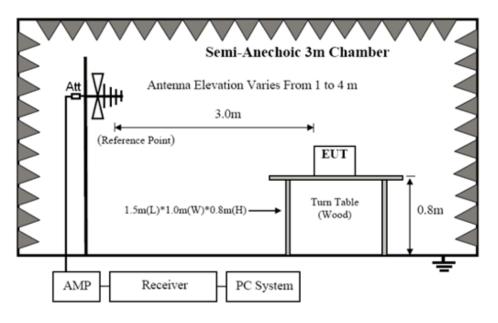


For radiated emissions from 30MHz to1GHz

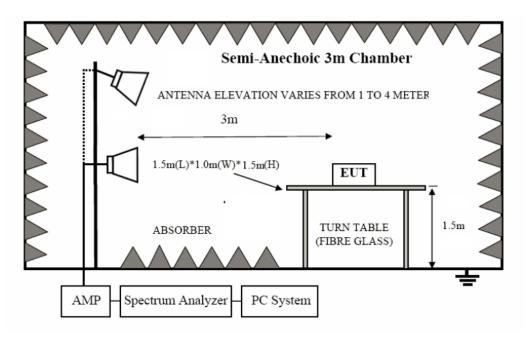
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For radiated emissions above 1GHz



- 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)
	1 (1D ID)	201 DELL				

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.

	1	
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
21 -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

1

1**

2405

2405

94.89

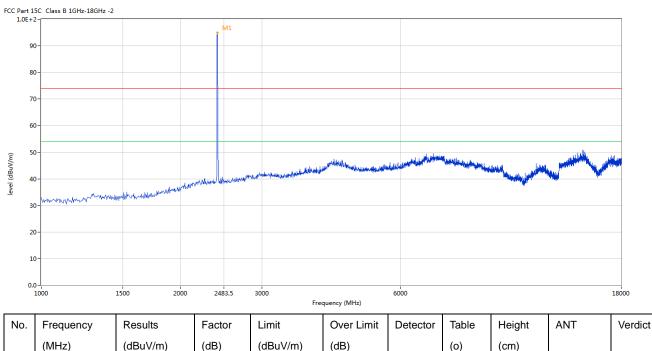
86.02

-3.57

-3.57

114.0

94.0



-19.11

-7.98

Peak

AV

83.00

83.00

100

100

Horizontal

Horizontal

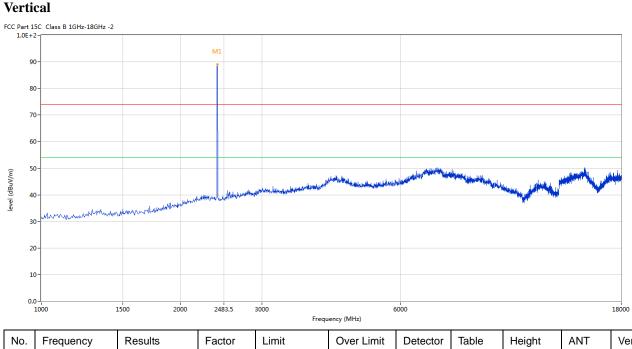
Pass

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	2405	89.11	-3.57	114.0	-24.89	Peak	297.00	100	Vertical	Pass

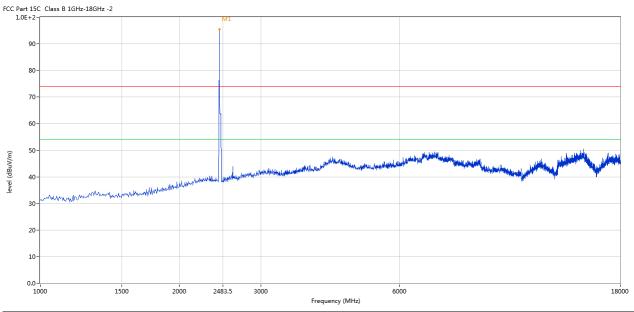
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Please refer to the following test plots for details: Middle Channel-2441MHz

Horizontal

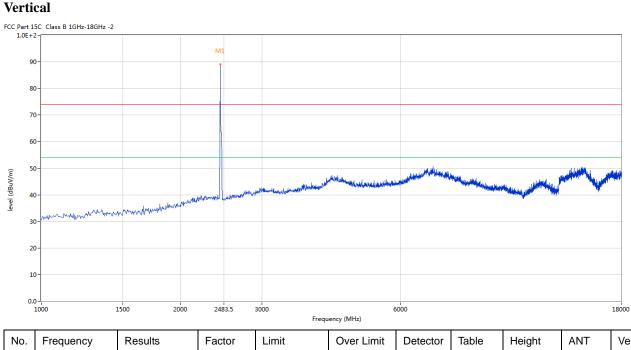


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441	95.55	-3.57	114.0	-18.45	Peak	301.00	100	Horizontal	Pass
1**	2441	86.70	-3.57	94.0	-7.30	AV	301.00	100	Horizontal	Pass

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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	2441	89.00	-3.57	114.0	-25.00	Peak	107.00	100	Vertical	Pass

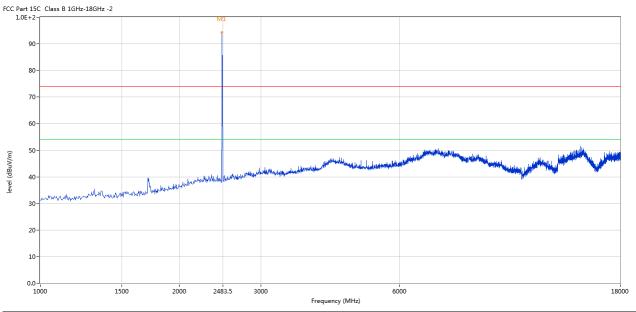
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$Please \ refer \ to \ the \ following \ test \ plots \ for \ details: \ High \ Channel-2475 MHz$

Horizontal

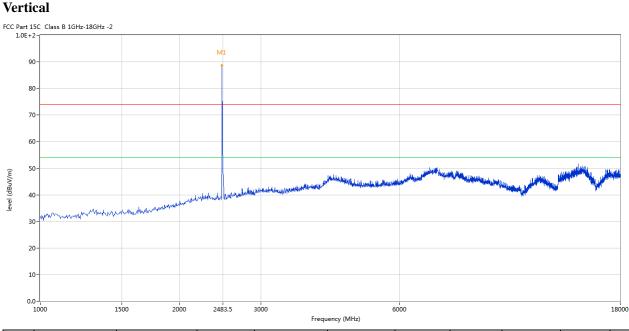


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2474	94.34	-3.57	114.0	-19.66	Peak	62.00	100	Horizontal	Pass
1**	2474	85.62	-3.57	94.0	-8.38	AV	62.00	100	Horizontal	Pass

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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	2474	88.74	-3.57	114.0	-25.26	Peak	101.00	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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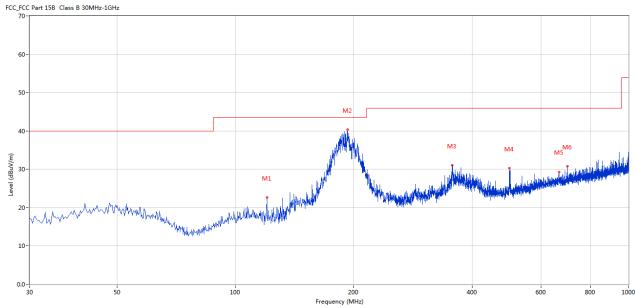


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	120.430	22.62	-15.44	43.5	20.88	Peak	283.00	100	Horizontal	Pass
2	192.919	40.29	-13.94	43.5	3.21	Peak	241.00	100	Horizontal	Pass
3	356.323	31.07	-9.50	46.0	14.93	Peak	359.00	100	Horizontal	Pass
4	497.908	30.30	-7.12	46.0	15.70	Peak	69.00	100	Horizontal	Pass
5	666.403	29.31	-4.50	46.0	16.69	Peak	232.00	100	Horizontal	Pass
6	698.890	30.74	-4.24	46.0	15.26	Peak	258.00	100	Horizontal	Pass

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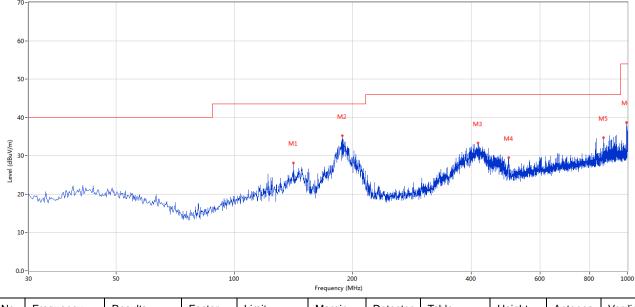
Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 15B 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	141.522	28.18	-17.28	43.5	15.32	Peak	230.00	100	Vertical	Pass
2	188.070	35.23	-14.46	43.5	8.27	Peak	262.00	100	Vertical	Pass
3	416.933	33.30	-8.22	46.0	12.70	Peak	324.00	100	Vertical	Pass
4	499.605	29.57	-6.94	46.0	16.43	Peak	235.00	100	Vertical	Pass
5	870.295	34.74	-2.04	46.0	11.26	Peak	331.00	100	Vertical	Pass
6	995.394	38.72	-1.26	54.0	15.28	Peak	318.00	100	Vertical	Pass

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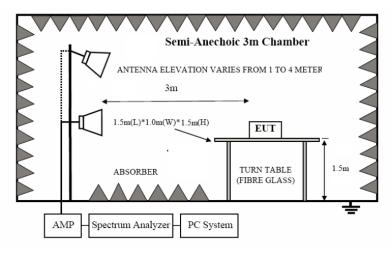


7. Band Edge

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

		WI	RELESS F	ULL SIZE						
	Product:	HOT	-SWAPPA	BLE RGB		Polarity		H	Horizontal	
			MECHAN	ICAL						
	Mode	Ke	eping Trar	smitting	Г	est Voltag	e		DC3.7V	
Te	mperature		24 deg.	С,		Humidity			56% RH	
Te	est Result:		Pass							
C Part : 1.0E+	15C Class B 1GHz-18GHz	-2				м	L			_
ç	90 -									
s	30 -						T			
						<u>//</u>	*****			_
7	70-					J				
e	50 -					<u>//</u>				
						1.7	- In	lar.		
. 5	50-				1	M4				
. 5 . 2		Nata sakali dan saka kata dhi ada sa sa	ateristic dell'eschercette scorte force	M3 Arthelinas, arthlinas, aiche, air		M4 Na	1	M. Hattalaase	nation participants and which and a strategy and a	ورال
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3	10 - <mark>nilikunitalihanitalihanitalihani</mark> 10 -	n har an stad ut beginn berginn het pertonen het pertonen besondere sondere	Aneliky Altrakonsele inskuljud		unga watika katika katika di		1	M	waan ah addin daa aa	///ikk
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3 2 1 0	10			unintrine and a state of the st	equency (MHz)	<u></u>	Tabla			1
2 2 1	10	Results	Factor	Fr Limit	equency (MHz)	Detector	Table	Height		1
2 2 1 0 No.	10	Results (dBuV/m)	Factor (dB)	Fr Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	(o)	Height (cm)	ANT	Verdi
2 2 1 0 No.	10	Results (dBuV/m) 94.40	Factor (dB) -3.57	Fr Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 20.40	Detector Peak	(o) 56.00	Height (cm) 100	ANT	Verdi
No.	 and the set of the s	Results (dBuV/m) 94.40 36.68	Factor (dB) -3.57 -3.57	Fr Limit (dBuV/m) 74.0 74.0	equency (MHz) Over Limit (dB) 20.40 -37.32	Detector Peak Peak	(o) 56.00 168.75	Height (cm) 100 100	ANT Horizontal Horizontal	Verdi N/A Pass
2 2 1 0 No.	10	Results (dBuV/m) 94.40	Factor (dB) -3.57	Fr Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 20.40	Detector Peak	(o) 56.00	Height (cm) 100	ANT	Verdio N/A

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]	Product:	HOT	ELESS FU -SWAPPAI	BLE RGB	I	Detector		١	/ertical	
			MECHAN							
	Mode	Kee	eping Tran			st Voltage			DC3.7V	
	mperature		24 deg.	C,	H	Iumidity		5	6% RH	
Te	est Result:		Pass							
C Part 1 1.0E+	15C Class B 1GHz-18GHz 2-	-2								
							M1			
y	10-						MIA.			
8										
7						A				
								Li .		
6	i0-						1			
5	i0 -						I			
5	10 -			M3		M2	1			1.1.5
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4 3 2 1	0- - - - - - - - - - - - - -			ierreskater storafstigen het hijn versen.	Frequency (MHz)	M2				1
4 3 2 1	0- 0- 0- 2370 Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	2ª Verdi
4 3 2 1 0.	0- 0- 0- 2370 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)		(o)	(cm)	ANT	Verdi
4 3 2 1 0. No.	0- 0- 0- 2370 Frequency (MHz) 2404.991	Results (dBuV/m) 88.59	Factor (dB) -3.57	Limit (dBuV/m) 74.0	Over Limit (dB) 14.59	Peak	(o) 91.00	(cm) 100	ANT	Verdi N/A
4 3 2 1 0.	0- 0- 0- 2370 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)		(o)	(cm)	ANT	Verdi

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	Product:			FULL SIZE PABLE RGE NICAL		Pola	rity		Horizonta	ıl
	Mode	k	Keeping Tr	ansmitting		Test Ve	oltage		DC3.7V	
Т	emperature		24 de	g. C,		Hum	idity		56% RH	
Т	est Result:		Pa	SS			-			
CC Part 1.0E	15C Class B 1GHz-18GHz	-2 M1								
	90-									
	40			M2	3.5	iagusel kejelikisi u.u.alen	lhour jour bland bland	ander på Assenant de ser få	ageligashigdunik felanagkinfysus Alta	2500
	40	Deguiles	Easter	2483	3.5 Frequency (MHz)				Anter Construction	
	40- 30- 20- 10- 2470	Results (dBuV/m)	Factor (dB)		3.5	Detector	Table (0)	Height (cm)	ANT	
	40- 30- 20- 10- 2470 Frequency			2483 Limit	3.5 Frequency (MHz) Over Limit		Table	-	ANT	2500 Verdic

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]	Product:	НОТ		ULL SIZE BLE RGB IICAL	I	Detector		Ve	ertical	
	Mode	Ke	eping Trai	nsmitting	Te	st Voltage		D	C3.7V	
Te	emperature		24 deg.	С,	Н	Iumidity		56	% RH	
Τe	est Result:		Pass	1						
1.0E+ 9 8 7	15C Class B 1GHz-18GHz	M1								
5 4 3 2 1	50-			M2	equency (MHz)		igher test staar on he show	understad selection of selection	de laine so du de de laid	2500
5 4 3 2 1	50	Results	Factor	2483.5		Detector	Table	Height	ANT	2500
5 4 3 2 1	50	Results (dBuV/m)	Factor (dB)	2483.5 Fr	equency (MHz)	Detector	Table (o)	Height (cm)	ANT	1
5 4 3 2 1	50			2483.5 Fr	equency (MHz)	Detector Peak		-	ANT Vertical	1

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 FULL SIZ	ZE			
Product:	HOT-SWAPPABLE RO	GB	Test Mode:	Keep transmitting	
	MECHANICAL				
Mode	Keeping Transmitting	g	Test Voltage	DC3.7V	
Temperature	24 deg. C,		Humidity	56% RH	
Test Result:	Pass		Detector	РК	
OdB Bandwidth	2.580MHz				
		*RBW 1	.00 kHz Ma	rker 1 [T1]	
			300 kHz	-7.92 dBm	
Ref 10 dBr	m *Att 20 dB	SWT 2	2.5 ms	2.404391026 GHz	
10			BW		
- 0			Te	mp 1 [T1 ndB] A	
PK	1			2.403565705 GHz	
4AXH 10	Arc			mp 2 [T1 pdB] -28.03 dBm	
		have	Ann	2.406145833 GHz	
20					
	T1 Z		T2		
30			I In		
-40					
Jan 19					
				V SDB	
60					
70					
80					
-90					
Center 2.4	105 GHz 50)0 kHz/		Span 5 MHz	

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10.0 FCC ID Label

FCC ID: TUVET-8975A

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--

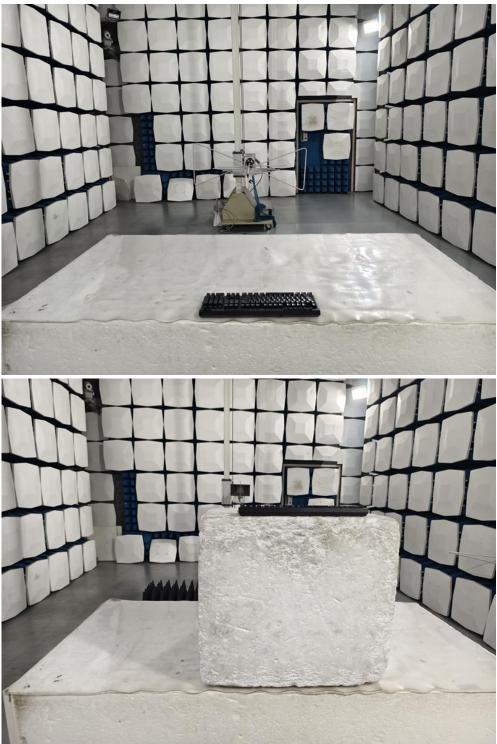


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Radiated emission test view



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11.2

Outside View-Keyboard

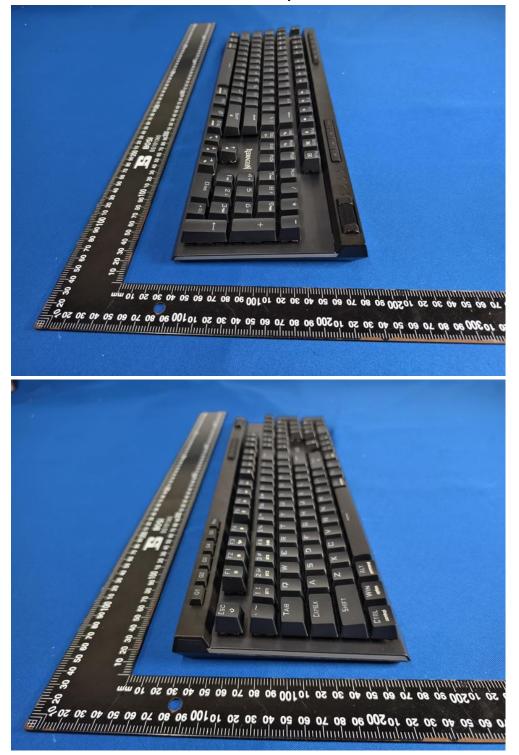


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Outside View-Keyboard

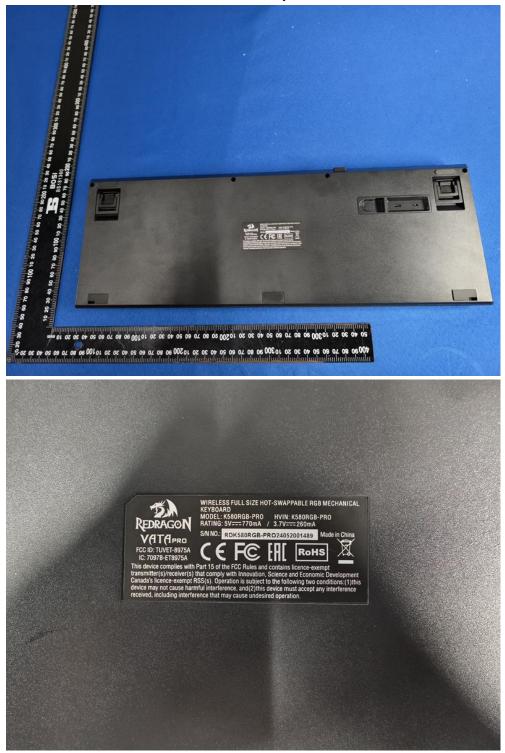


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Outside View-Keyboard



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Outside View-Keyboard

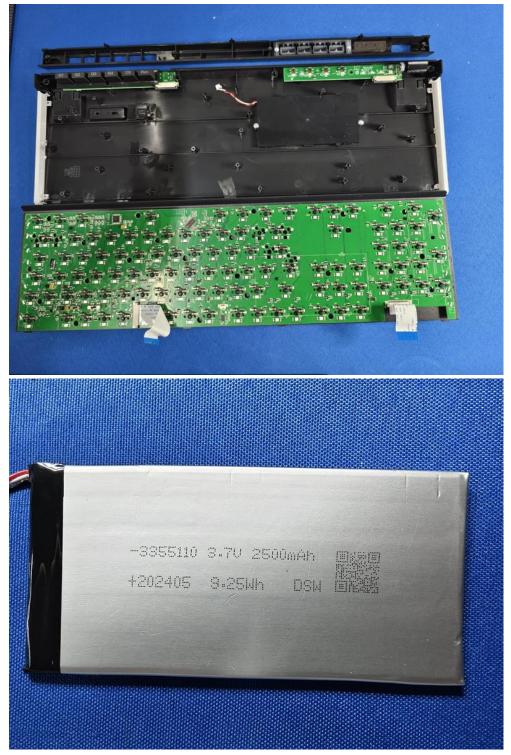


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Inside View-Keyboard

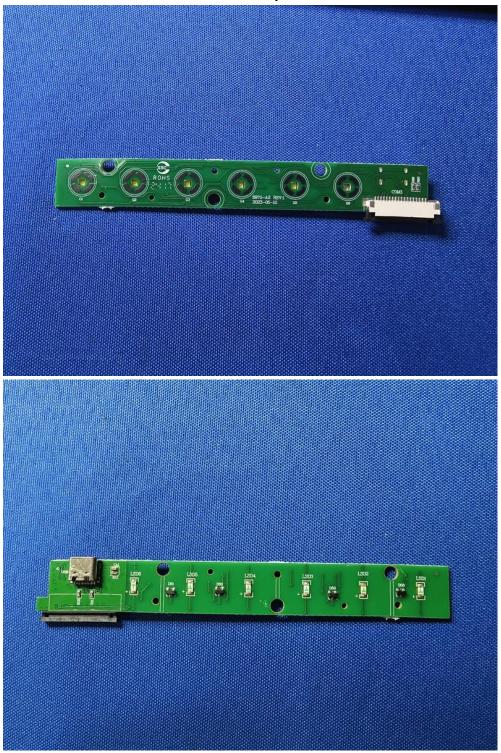


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Inside View-Keyboard

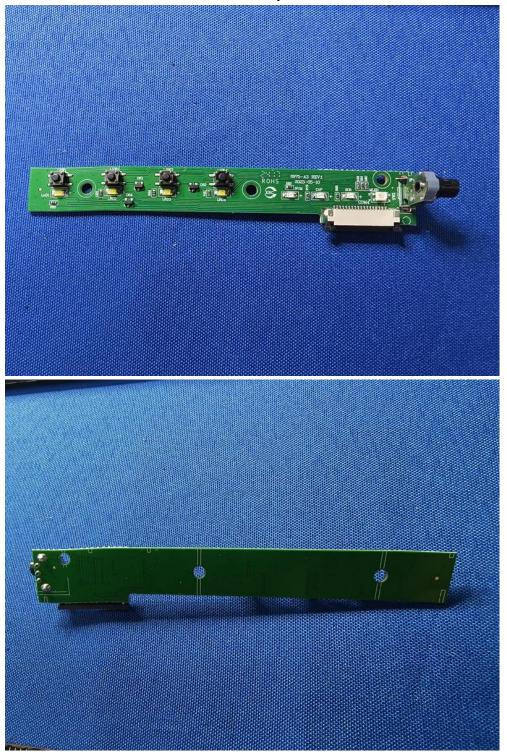


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Inside View-Keyboard

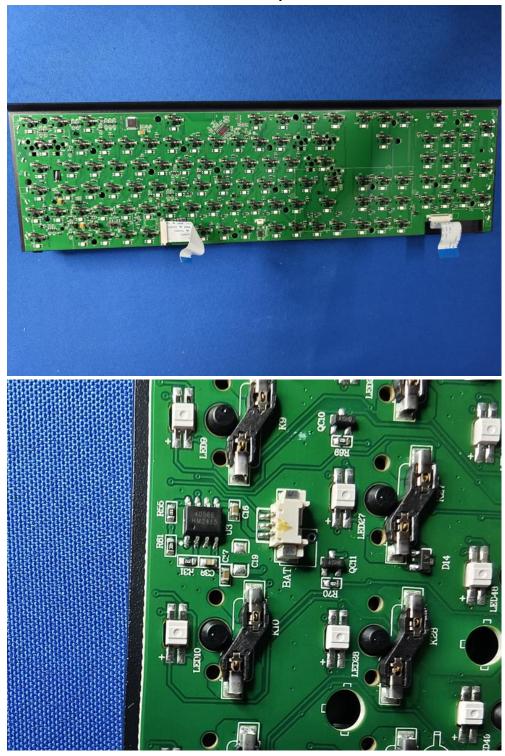


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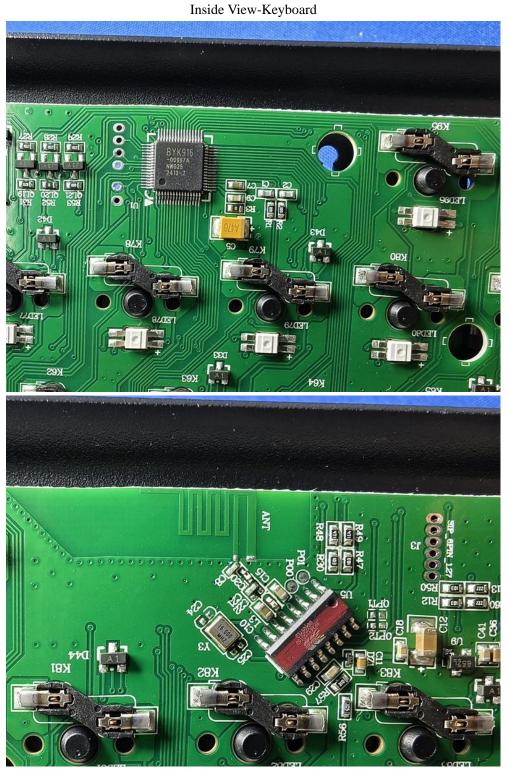
Inside View-Keyboard



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-- End of the Report--

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