

Report No.:	TW2410138-02E
Applicant:	Eastern Times Technology Co.,Ltd
Product:	Mechanical Keyboard
Model No.:	Z-84, ET-7167, E10190, Z-84PRO
Trademark:	E-YOOSO
Test Standards:	FCC Part 15.249
Test result:	It is herewith confirmed and found to c requirements set up by ANSI C63.10 &FCC P

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 lon

Terry Tang

Manager

Dated: Nov

November 27, 2024

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

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com



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

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



Test Report Conclusion Content

1.0	General Details	4
1.1	Test Lab Details	4
1.2	Applicant Details	4
1.3	Description of EUT	4
1.4	Submitted Sample	4
1.5	Test Duration	5
1.6	Test Uncertainty	5
1.7	Test By	5
2.0	List of Measurement Equipment	6
3.0	Technical Details	7
3.1	Summary of Test Results	7
3.2	Test Standards	7
4.0	EUT Modification	7
5.0	Power Line Conducted Emission Test	8
5.1	Schematics of the Test	8
5.2	Test Method and Test Procedure	8
5.3	Configuration of the EUT	8
5.4	EUT Operating Condition	9
5.5	Conducted Emission Limit	9
5.6	Test Result	9
6.0	Radiated Emission test	12
6.1	Test Method and Test Procedure	12
6.2	Configuration of the EUT	13
6.3	EUT Operation Condition	13
6.4	Radiated Emission Limit	14
6.5	Test Result	15
7.0	Band Edge	23
7.1	Test Method and Test Procedure	23
7.2	Radiated Test Setup	23
7.3	Configuration of the EUT	23
7.4	EUT Operating Condition	23
7.5	Band Edge Limit	23
7.6	Band Edge Test Result	24
8.0	Antenna Requirement	28
9.0	20dB bandwidth measurement	29
10.0	FCC ID Label	38
11.0	Photo of Test Setup and EUT View	39

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



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 w	vith the Federal Communications Commission – United Sates			
Registration	Number: 744189			
For 3m Anec	hoic 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:	Mechanical Keyboard
Manufacturer:	Eastern Times Technology Co.,Ltd
Address:	Building D, Nan An Industrial Area, Youganpu Village, Fenggang Town,
	Dongguan City, Guangdong, China.
Trademark:	E-YOOSO
Additional Trademark:	N/A
Model Number:	Z-84
Additional Model Name	ET-7167, E10190, Z-84PRO
Hardware Version:	8909-E TX V1
Software Version:	1F92
Serial No.:	Z8424072500880
Rating:	DC3.7V, 35mA; DC5V, 500mA
Battery:	DC3.7V, 1600mAh Li-ion battery
Modulation Type:	GFSK
Operation Frequency:	2402-2480MHz (Bluetooth Low Energy)
Channel Separate:	2MHz
Channel Number:	40
Antenna Designation	PCB antenna with gain 0dBi Max (Get from the antenna specification)

1.4 Submitted Sample: 2 Samples

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



- 1.5 Test Duration 2024-10-29 to 2024-11-27
- 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: Terry Tang

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to 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 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

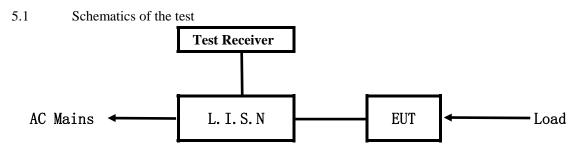
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



5. Power Line Conducted Emission Test



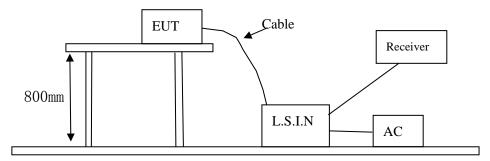
EUT: Equipment Under Test

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 500hm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V~, 60Hz

Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below. 79 channels are provided to the EUT

A.	EUT

Device	Manufacturer	Model	FCC ID	
Mechanical Keyboard	Eastern Times	Z-84, ET-7167, E10190,	TUVET-8909E	
	Technology Co.,Ltd	Z-84PRO	1UVE1-8909E	

B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC	

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



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 μV)
(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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



A: Conducted Emission on Live Terminal (150kHz to 30MHz) **EUT Operating Environment** Humidity: 65%RH Atmospheric Pressure: 101 kPa Temperature: 25℃ EUT set Condition: Charging and Communication by BT **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_AV 50 40 30 peak 20 AVG 10 0 -10 -20 (MHz) 30.000 0.150 Frequency Reading Factor Level Limit Margin No. Detector P/F (MHz) (dBuV) (dB)(dBuV) (dBuV) (dB) 1 0.1695 40.53 9.77 50.30 64.98 -14.68 QP Ρ Ρ 2 0.1695 21.69 9.77 31.46 54.98 -23.52 AVG 41.53 3 0.2280 9.75 Ρ 31.78 62.52 -20.99QP 4 0.2280 13.63 9.75 23.38 52.52 -29.14 AVG Ρ 5 4.3649 28.79 -27.21 Ρ 18.89 9.90 56.00 QP 6 4.3649 8.46 9.90 18.36 46.00 -27.64 AVG Ρ 7 17.18 Ρ 16.4667 10.47 27.65 60.00 -32.35 QP 8 16.4667 11.90 10.47 22.37 50.00 -27.63 AVG Ρ

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



B: Conducted Emission on Neutral Terminal (150kHz to 30MHz) **EUT Operating Environment** Atmospheric Pressure: 101 kPa Temperature: 25℃ Humidity: 65%RH EUT set Condition: Charging and Communication by BT **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_AV 50 40 30 20 AVG 10 0 -10 -20 (MHz) 0.150 30.000 Frequency Reading Factor Level Limit Margin No. Detector P/F (dB) (MHz) (dBuV) (dB)(dBuV) (dBuV) 1 0.1968 29.36 9.75 39.11 63.74 -24.63 QP Ρ Ρ 2 0.1968 5.59 9.75 15.34 53.74 -38.40 AVG 3 17.26 9.76 27.02 57.39 QP Ρ 0.4230 -30.374 0.4230 3.03 9.76 12.79 47.39 -34.60 AVG Ρ 5 4.3689 17.22 9.90 27.12 Ρ 56.00 -28.88 QP 6 4.3689 8.68 9.90 18.58 46.00 -27.42 AVG Ρ 7 -33.82 Ρ 14.1891 15.84 10.34 26.18 60.00 QP 8 14.1891 13.52 10.34 23.86 50.00 -26.14 AVG Ρ

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

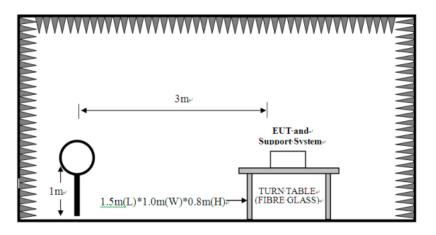


6 Radiated Emission Test

- 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

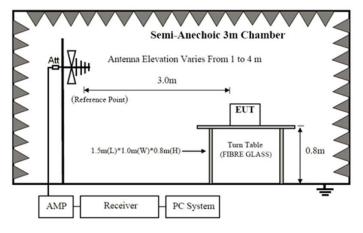


The report refers only to the sample tested and does not apply to the bulk.

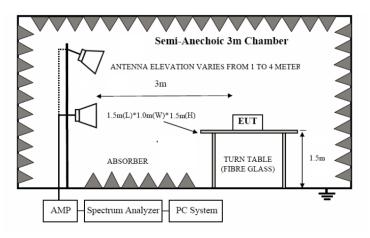
This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



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.

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



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 Fundamental (3m)		Field Strength of Harmonics (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.

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal

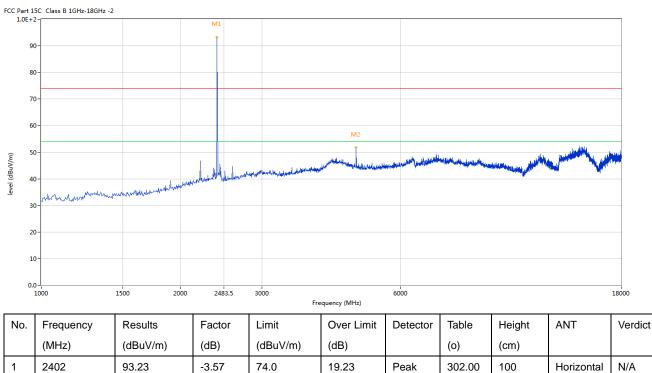
2

4802.799

51.79

3.12

74.0



-22.21

Peak

307.00

100

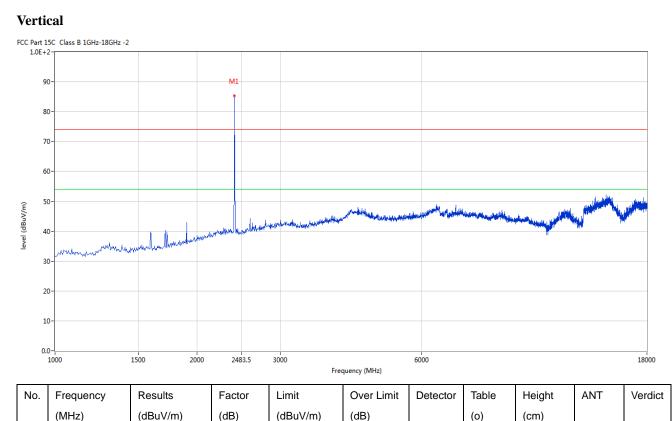
Horizontal

Pass

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





11.28

Peak

181.00

100

Vertical

N/A

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

85.28

1

2402

-3.57

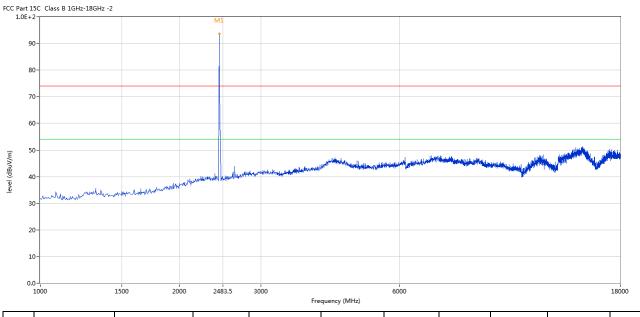
74.0

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



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

Horizontal

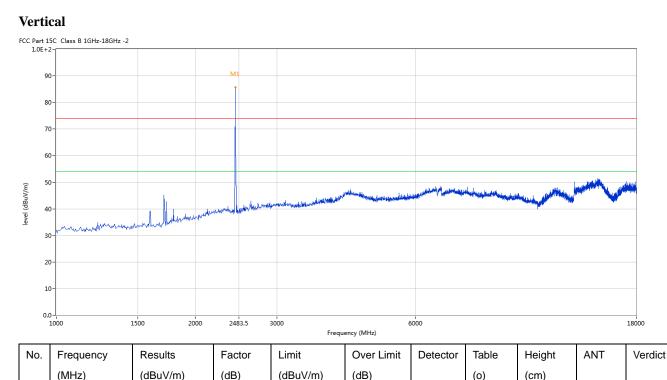


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440	93.65	-3.57	74.0	19.65	Peak	292.00	100	Horizontal	N/A

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





11.73

195.00

100

Vertical

N/A

Peak

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

85.73

-3.57

74.0

2440

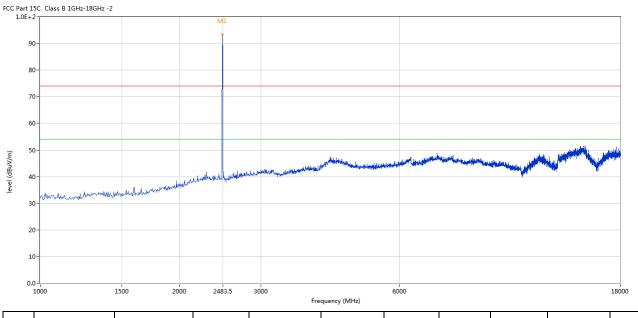
1

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



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

Horizontal

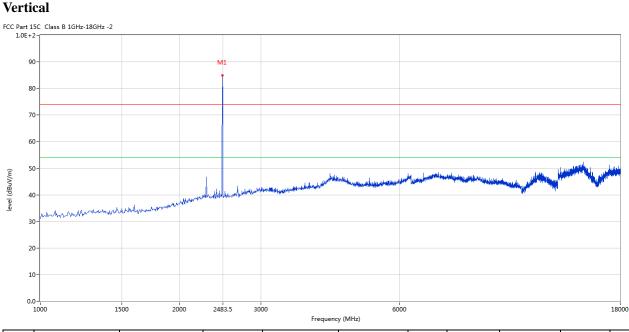


No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	93.40	-3.57	74.0	19.40	Peak	259.00	100	Horizontal	N/A

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.





No.	Frequency	Results	Factor	Limit	Over Limit		Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480	84.91	-3.57	74.0	10.91	Peak	209.00	100	Vertical	N/A

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.

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



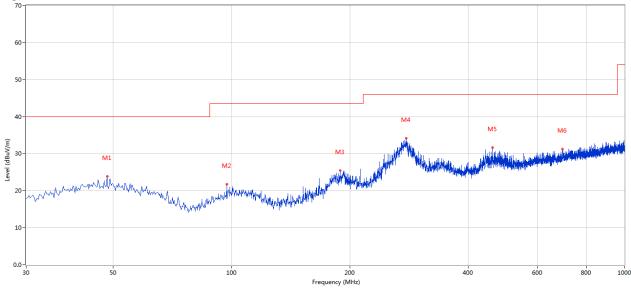
B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual

FCC_FCC Part 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	48.183	23.92	-11.26	40.0	16.08	Peak	322.00	100	Horizontal	Pass
2	97.156	21.79	-13.90	43.5	21.71	Peak	199.00	100	Horizontal	Pass
3	189.040	25.49	-14.33	43.5	18.01	Peak	283.00	100	Horizontal	Pass
4	278.015	34.10	-11.55	46.0	11.90	Peak	283.00	100	Horizontal	Pass
5	461.785	31.64	-7.84	46.0	14.36	Peak	97.00	100	Horizontal	Pass
6	695.739	31.19	-4.12	46.0	14.81	Peak	283.00	100	Horizontal	Pass

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



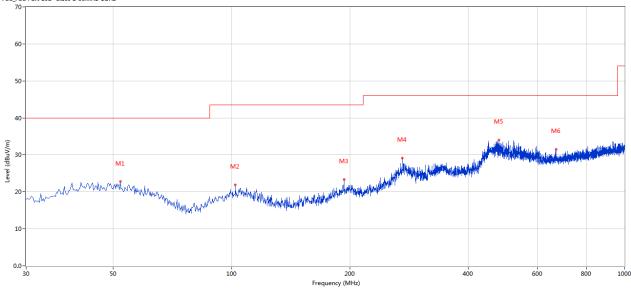
Radiated Emission In Vertical (30MHz----1000MHz)

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	52.062	22.75	-11.43	40.0	17.25	Peak	341.00	100	Vertical	Pass
2	102.247	21.93	-13.42	43.5	21.57	Peak	37.00	100	Vertical	Pass
3	193.162	23.38	-13.90	43.5	20.12	Peak	300.00	100	Vertical	Pass
4	271.955	29.13	-11.70	46.0	16.87	Peak	300.00	100	Vertical	Pass
5	478.513	33.98	-7.46	46.0	12.02	Peak	203.00	100	Vertical	Pass
6	669.798	31.52	-4.38	46.0	14.48	Peak	41.00	100	Vertical	Pass

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

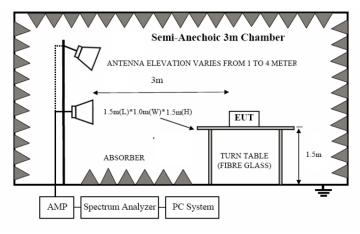


7. Band Edge

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.

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



7.6 Test Result

	Product:	Me	chanical K	eyboard	Pc	olarity		Ho	rizontal	
	Mode	Kee	eping Trans	smitting	Test	Voltage		D	C3.7V	
Te	mperature		24 deg.	C,	Hu	midity		56	5% RH	
Τe	est Result:		Pass							
2 Part 1 1.0E+	15C Class B 1GHz-18GHz 2-r	-2								
								M1		
9	0-							M	ſ <u>,</u>	
8	0-							^I	-h	
7	0-								A	_
6	0-							/"		_
_							M4M5	M2		_
. 5	0-				1	M3	. Internet		1	
		and the second								
4	o- Luthin Human And Marked	within the the the the the the	hander	n waa ka k	whith hit whith which	whether whether		kula. I	N THE REAL PROPERTY AND A DECEMBER OF A DECE	M
	0-440441. 0-	when when the here have	hahahahahahah	nt and the second and the second s	nethethethethethethethethethethethethethe			(1997) 	1414A	W
3	0-	ng kun	halhalhalhalhalhalhalhalha	distriction of the second s	nethaithathaithaithaithaithaithaithaithait	watan waara		kulı.	And a	<u>w</u> i
3		natushushushushushushushushushushushushushu	huhuhuhuhuhuhuhuh	shahai hika hahahaha	ne/hathathathathathathathathat	YAN WAN	, A AN A RAINING THE THE		a MAKA	W 1
3	0-	natus/natus/natus/natus/natus/ natus/natus/	hu/whathahah	ntratination that and the the	erkerherherherherherherherherherherherherhe	\	UNAN AND AND AND AND AND AND AND AND AND		4 / ///	
3 2 1 0.	0	nathaistean sin straicheadhaithea	hu/whathahu/hu/hu/hu/hu/hu/hu/hu/hu/hu/hu/hu/hu/h	******		\y r &#/\/\/</td><td>a handa an</td><td></td><td>M/W 19</td><td>2410</td></tr><tr><td>3 2 1 0.</td><td>0- 0- 0- 2350</td><td>witasharitasharitasharita</td><td>hu/w/w/w/w/w/</td><td></td><td>equency (MHz)</td><td></td><td></td><td></td><td></td><td>-</td></tr><tr><td>3 2 1 0.</td><td>0- 0- 2350 Frequency</td><td>Results</td><td>Factor</td><td>Limit</td><td></td><td>Detector</td><td>Table</td><td>Height</td><td>ANT</td><td></td></tr><tr><td>3 2 1 0.</td><td>0- 0- 2350 Frequency (MHz)</td><td>Results (dBuV/m)</td><td>(dB)</td><td>Limit (dBuV/m)</td><td>equency (MHz)</td><td></td><td>Table (o)</td><td>Height (cm)</td><td>ANT</td><td></td></tr><tr><td>3 2 1 0.</td><td>0- 0- 2350 Frequency</td><td></td><td></td><td>Limit</td><td>equency (MHz)</td><td></td><td>Table</td><td></td><td></td><td>r</td></tr><tr><td>3 2 1 0. NO.</td><td>0- 0- 2350 Frequency (MHz)</td><td>(dBuV/m)</td><td>(dB)</td><td>Limit (dBuV/m)</td><td>equency (MHz) Over Limit (dB)</td><td>Detector</td><td>Table (o)</td><td>(cm)</td><td>ANT</td><td>Verdic</td></tr><tr><td>3 2 1 0. No.</td><td>Generation of the first of the</td><td>(dBuV/m) 92.77</td><td>(dB) -3.57</td><td>Limit (dBuV/m) 74.0</td><td>equency (MHz) Over Limit (dB) 18.77</td><td>Detector Peak</td><td>Table (o) 305.00</td><td>(cm) 100</td><td>ANT Horizontal</td><td>Verdic N/A</td></tr><tr><td>3 2 1 0. No.</td><td>Frequency (MHz) 2400.057</td><td>(dBuV/m) 92.77 67.62</td><td>(dB) -3.57 -3.57</td><td>Limit (dBuV/m) 74.0 74.0</td><td>equency (MHz) Over Limit (dB) 18.77 -6.38</td><td>Detector Peak Peak</td><td>Table (o) 305.00 262.00</td><td>(cm) 100 100</td><td>ANT Horizontal Horizontal</td><td>Verdic N/A Pass</td></tr><tr><td>3 2 1 0. No. 1 2 2**</td><td>Frequency (MHz) 2400.057 2400.057</td><td>(dBuV/m) 92.77 67.62 51.99</td><td>(dB) -3.57 -3.57 -3.57</td><td>Limit (dBuV/m) 74.0 74.0 54.0</td><td>equency (MHz) Over Limit (dB) 18.77 -6.38 -2.01</td><td>Detector Peak Peak AV</td><td>Table (o) 305.00 262.00 262.00</td><td>(cm) 100 100 100</td><td>ANT Horizontal Horizontal Horizontal</td><td>Verdic N/A Pass Pass</td></tr></tbody></table>				

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Product:		Mechanical Keyboard			Det	Detector		Vertical				
Mode		Keeping Transmitting			Test	Test Voltage		DC3.7V				
Temperature		24 deg. C,			Hur	Humidity		56% RH				
Т	est Result:	Pass										
CC Part 1.0E -	15C Class B 1GHz-18GHz +2-r	-2										
•	90 -							M	1			
;	80-							ſ	L.W.			
:	70-							ſ	h			
	60-								<u> </u>			
	50-						M5 M4	M2	h			
(m)						luta l	Lane and		"h,			
2	- unpublished and a faith of the state of the second of th											
level (dBuV/m)	40-	dan den den vier ander den		the filled at a proper of the second	وموادها والمعادية والمعرورة والمحاومة والمحاومة والمحاومة والمحاومة والمحاومة والمحاومة والمحاومة والمحاومة وال	Alifesteries and a state of the			144	per finantial stations		
	40- 	day ประเทศเหมีของเหมีย์สูงเป็นเป็นเป็นสูงหม	and a supply and a super-	ser Helen ander Herdenberger	nerdedisseliensselieteessensielee	Alderstein an Alder Market	LILMINAL MIKIN		nw.	pot f an to be a factor of the second se		
:	nieligenskienig statefinien, biedrebeidigen	da, da and an independent of a destination of the second second second second second second second second second	naddi with ddiwion yn an	iter Heldensen her Helden seinen	anto-katalanainkakatenaikak	Alikataphantan Alikati Matali	ULANNALAUNA.		1. Maria	unterenter ber		
:	**************************************	den den sten skale der sten kalender	nadeli, nadeli katori venni	ter Alder and Alder Alder and	a gandad da an	Albert and Albert	UNINALAMIN		₩.	unter aller high		
:	20	den den stenden stade den stade der stenden stenden stade stenden stade stade stade stade stade stade stade st	ushbhaisthdesseen casi	ser Aldreide and and an and an and an an		Albertan and And Albertan	UNINALAMUN		₩,	untion him here		
:	30- 20-	landræknikaska kolonikaska kolonikaska kolonikaska kolonikaska kolonikaska kolonikaska kolonikaska kolonikaska	usthleusthletswor, reas	ster Mel Maria an Mel André a series F	equency (MHz)	ellenten er finden	UNNALAMIN		<u> </u>	2410		
	20		Factor		equency (MHz)		Table	Height				
:	20- 10- 2350 Frequency	Results	Factor (dB)	Limit	equency (MHz)	Detector	Table (o)	Height	ANT	2410		
	20		Factor (dB)		equency (MHz)		Table (o) 188.00	Height (cm) 100		2410		
No.	20- 22- 2350 Frequency (MHz)	Results (dBuV/m)	(dB)	Limit (dBuV/m)	equency (MHz) Over Limit (dB)	Detector	(0)	(cm)	ANT	2410 Verdict		
No.	Impediate for the table 30- 20- 10- 2350 Frequency (MHz) 2401.782	Results (dBuV/m) 85.09	(dB) -3.57	Limit (dBuV/m) 74.0	equency (MHz) Over Limit (dB) 11.09	Detector Peak	(o) 188.00	(cm) 100	ANT Vertical	2410 Verdict N/A		
No.	Impediate the first line line line line line line line line	Results (dBuV/m) 85.09 63.14	(dB) -3.57 -3.57	Limit (dBuV/m) 74.0 74.0	equency (MHz) Over Limit (dB) 11.09 -10.86	Detector Peak Peak	(o) 188.00 188.00	(cm) 100 100	ANT Vertical Vertical	2410 Verdict N/A Pass		
No. 1 2**	Impediate the first	Results (dBuV/m) 85.09 63.14 47.86	(dB) -3.57 -3.57 -3.57	Limit (dBuV/m) 74.0 74.0 54.0	equency (MHz) Over Limit (dB) 11.09 -10.86 -6.14	Detector Peak Peak AV	(o) 188.00 188.00 188.00	(cm) 100 100 100	ANT Vertical Vertical	2410 Verdict N/A Pass Pass		

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



	Product:	M	Keyboard		Polarity		He	orizontal		
	Mode	K	insmitting	Т	est Voltag	e	Γ	DC3.7V		
Te	emperature		24 deg	g. C,		Humidity		56% RH		
Te	est Result:	Pass								
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
			M1	La						
g	90-		Maria	m						
8	30 -									
7	70-		M	hn.						
6	50 -	JAN	M	"ny						
					Mun .					
. 5	50 -	¹		M2	1M.					
5	50-			M2	m					
5	50- 10			M2	M. Marcheller Robert	aanigeidd lalgere konnenger Airly fyr	heatspeepers, hithered, histof theodolog	ultaildi,quetechenidequete	higher alward applies in the high state	- ulfersky jewise
4	50 - 40 - <mark>Junda Joy (196 a) (196 A) (196 A)</mark> 30 -	Word Walt Harry Mary		M2	The production	arnethillean hear the shake the	he stana posisk Sherel Miter Lonatora	ultailitis,quqlailicenistanda	ให้สาระสมเสราใจอุสังหูที่สุปัญชีสารๆให้เป็น	- Sile alge brate
4	50 - 10 - ₁₄₄ <u>145 - 146 (146 (146 (146 (146 (146 (146 (146 </u>			• •	TM Monorellineiter	arsett Mandanov, Hilski	h agus an ta dhord herf frachag	ul estimates and estimate	ให้สายเหลา เกิดอุรักษุที่สุรีไปสู่ชีวิตรูที่เหม่า	an alfredga fan de s
3				M2	M. Marillonian	ar in William Lenner, All St.	u san an di	28 21 24 20 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	Hone and I of the fight of the	- alfreigi, hete
3 2 1	10-			•	M. Marillowing	arnett lägne hanne skallet	u szerett kélesketete	ubalihi,yadaluuttarydd	his an ann a seoirteach an de an	willes bette
3 2 1	20-			2483.		ar yetil hiyos henny, ilis fek	u saaadi kaboo ka ku	ukaista, perkasuoritan yok	hig an ann a daoinn dhaidh air an daoinn	2500
u (Ango) 1000 1000 1000 1000 1000 1000 1000 10	20-	Results	Factor	2483.	5	Detector	Table	Height	ANT	2500
4 3 2 1	20-			1	5 Frequency (MHz)					2500
3 2 1 0 No.	20- 10- 2470 Frequency	Results	Factor	Limit	5 Frequency (MHz)		Table	Height		2500
2 1 0	20- 10- 2470 Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	5 Frequency (MHz) Over Limit (dB)	Detector	Table (o)	Height (cm)	ANT	2500 Verdic

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



	Product:	Mechanical Keyboard			D	etector		Ve	rtical	
	Mode	Ke	Keeping Transmitting			t Voltage		DC	C3.7V	
Te	emperature		24 deg. C,			umidity		569	% RH	
Te	est Result:		Pass							
C Part 1 1.0E+	15C Class B 1GHz-18GHz	-2								
1.0E+	-2-									
g	90-		M1							
8	30-		provide the second s	m						
7	70-		_/							
			1	\sim						
6	50 -		1							
			X	VIZ WIZ						
Ē ⁵	50-	AN HIM NOW	<i>µ</i>	M2						
(m/vudb) 4			<i>y</i>	M ²	Wale Laws dress of	en an de ator de de achadada to	n. h. u ki . kata an		randumian administration and the	d of a difference
avei (abuv/m	10-	an and a state of the state of	/	VM2	Malum maland	an a	and an hand be a first f	, a land, part days of the second	understan and the second states and the	
u/vudu) iavai		a martine and the second	<i>¥</i>		Walnut water at the second second	uni dui dagada	our louis have been been been been been been been be	er Han yn Awrys a'r a Ll	ann di Ula (na thana, did	a da
4 (dgn/)w	10-	an ann thais an air an	<i>¥</i>		Malinu matanatasi	n an de ste sak skinde skin		ushka ya kutu a kutu	annado llar (na barranda)	
u/(mgp) 4	10 - un lin de la serie light dilaise	in an established and a second	<i>¥</i>		Maden and an allowed and	المرابط والمراجع المراجع	sud un tach ha shill dee	albu sa hora bash	iondonisi cultures di	d siddattara
ш/лпар 1 2 1	10	an ann thais an	<i>¥</i>		Malinu un Manual destruit	na an an tha an		alba partera la d	in dettainen die	haddetting
u (Ango) 1000 11 1 0	10	an han estimated and the second s	<i>¥</i>	2483.5 F	requency (MHz)	enandersend of soft star fail	s	usilles use and a subsection of the subsection o	iondreisi outbaanda	2500
W/Annal 3 3 1 0	10	Results	Factor			Detector	Table	Height	ANT	2500
ш/лон сман з з 1 0	10		Factor (dB)	F	requency (MHz)					2500
W/Annal 3 3 1 0	10	Results		F Limit	requency (MHz)		Table	Height		

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

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.

In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to adopt any other remedies which may be appropriate.



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 0dBi maximum. It fulfills the requirement of this section. Test Result: Pass

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



Product:	Mechanical Keyboar	rd	Test Mode:	Keep transmittin	
Mode	Keeping Transmittin	Test Voltage	DC3.7V		
Temperature	24 deg. C,		Humidity	56% RH	
Test Result:	Pass		Detector	PK	
20dB Bandwidth	1.224MHz				
Ref 10 d	Bm *Att 20 dB	*RBW 100 } *VBW 300 } SWT 2.5 r	kHz ms 2. ndB [T]	-5.98 dBm 402042000 GHz] 20 00 dB	
-0			<u>Temp 1</u> 2.	224000000 MHz [T1 nd8] -25.82 dBm 401412000 GHz [T1 nd8]	
20			2. T2	-26.06 dBm 402636000 GHz	
50				3DB	
-90					
Center 2.	402 GHz 300	kHz/		Span 3 MHz	

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



		Test Mode:	Keep transmitting
Mode	Keeping Transmitting	Test Voltage	DC3.7V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass	Detector	РК
20dB Bandwidth	1.224MHz		
Ref 10 dE	3m *Att 20 dB	BW 300 kHz WT 2.5 ms 2	-23.92 dBm 2.439412)00 GHz

The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to





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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



10.0 FCC ID Label

FCC ID: TUVET-8909E

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:



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



- 11.0 Photo of testing
- 11.1 Conducted test View--



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Radiated emission test view



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Photographs – EUT

Outside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Outside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Outside View



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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.



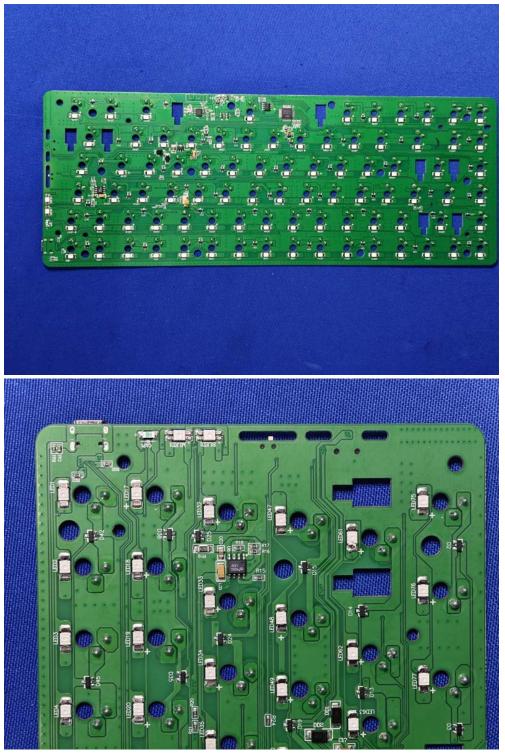
Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



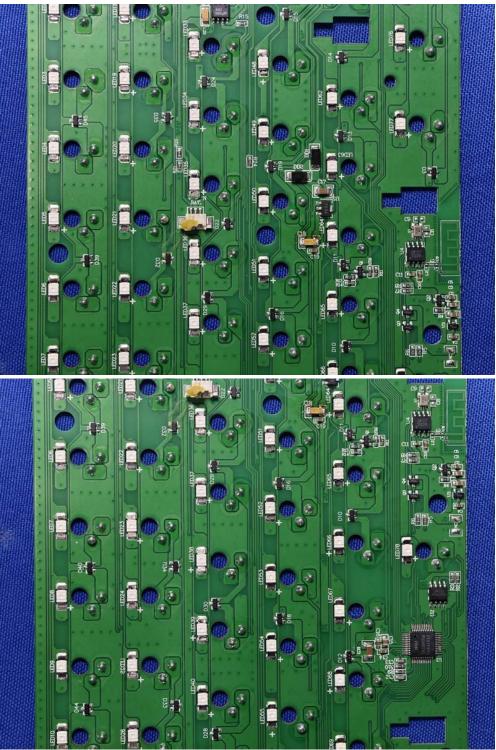
Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



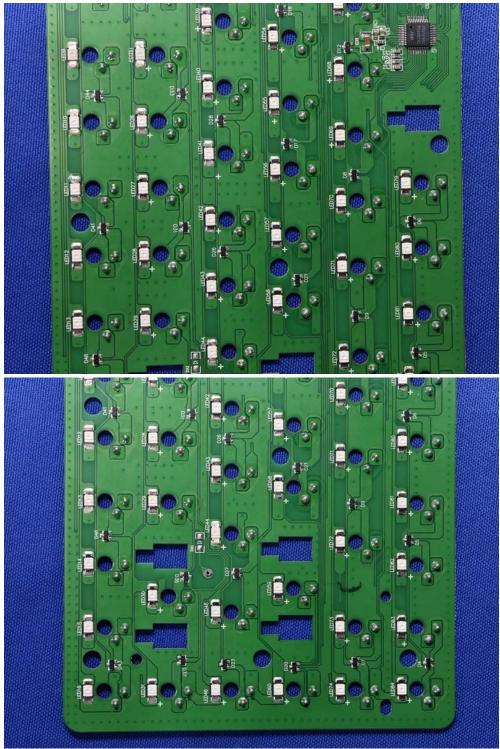
Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



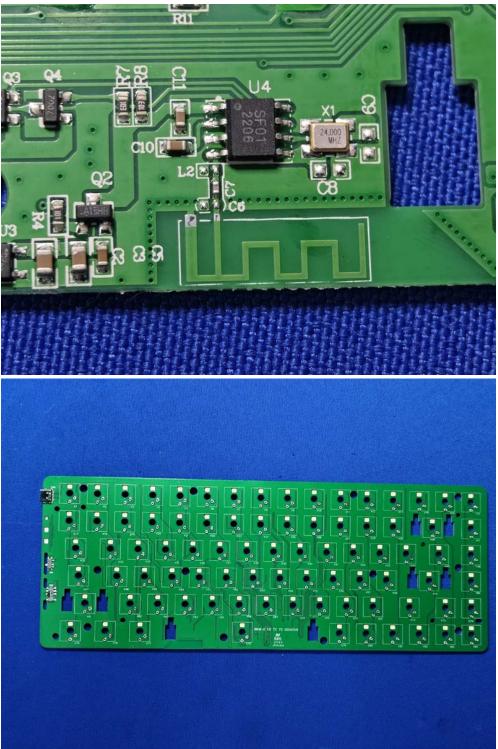
Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



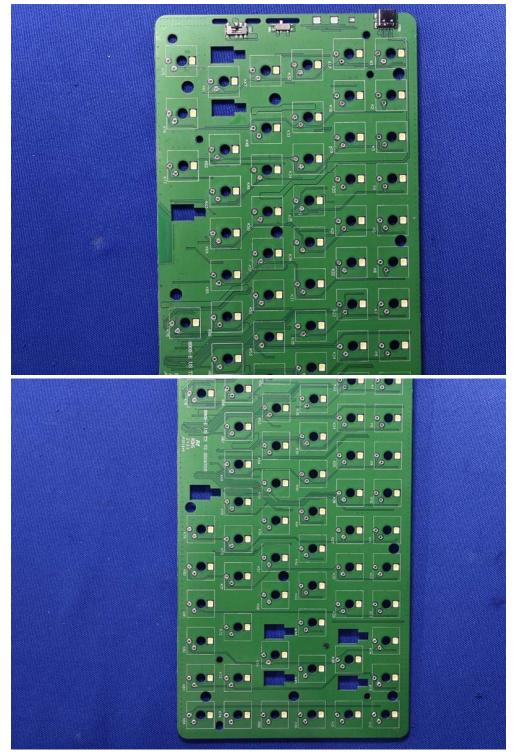
Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Inside View



The report refers only to the sample tested and does not apply to the bulk. This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report. In the event of the improper use of the report. The SHENZHEN TIMEWAY TESTING LABORATORIES. reserves the rights to withdraw it and to



Inside View



--End of the report--

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

This report is issued in confidence to the client and it will be strictly treated as such by the SHENZHEN TIMEWAY TESTING LABORATORIES. It may not be reproduced rather in its entirety or in part and it may not be used for adverting. The client to whom the report is issued may, however, show or send it . or a certified copy there of prepared by the SHENZHEN TIMEWAY TESTING LABORATORIES. to his customer. Supplier or others persons directly concerned. SHENZHEN TIMEWAY TESTING LABORATORIES. will not, without the consent of the client enter into any discussion of correspondence with any third party concerning the contents of the report.