



Report No.: TW2112017E File reference No.: 2021-12-21

Applicant: Shenzhen Star Sources Electronic Technology Co., Ltd.

Product: Wireless Keyboard

Model No.: MWKB142, IWKB142, MWKB142B, IWKB142B

Trademark: N/A

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10 & FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: December 21, 2021

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

SHENZHEN TIMEWAY TESTING LABORATORIES

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

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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAS. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

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

Date: 2021-12-21



Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

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

Village, Nanshan District, Shenzhen, China

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

Site on File with the Federal Communications Commission – United Sates

Registration Number: 744189 For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Shenzhen Star Sources Electronic Technology Co., Ltd.

Address: Room 2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District, Shenzhen, China

Telephone: +86-755-86397260 Fax: +86-755-26609516

1.3 Description of EUT

Product: Wireless Keyboard

Manufacturer: Shenzhen Star Sources Electronic Technology Co., Ltd.

Address: Room 2102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District,

Shenzhen, China

Trademark: N/A

Model Number: MWKB142

Additional Model Name IWKB142, MWKB142B, IWKB142B

Rating: DC1.5V

Battery DC1.5V (1pc AAA battery)

Modulation Type: GFSK

Operation Frequency: 2402.65-2480.65MHz

Channel Number: 16

Channel List:

Ch No.	1	2	3	4	5	6	7	8
Frequency (MHz)	2402.65	2426.65	2441.65	2463.65	2407.65	2422.65	2445.65	2466.65
Ch No.	9	10	11	12	13	14	15	16
Frequency (MHz)	2414.65	2436.65	2459.65	2473.65	2419.65	2439.65	2453.65	2480.65

Hardware Version: V1.3

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Software Version: V1.3

Antenna Designation PCB antenna with gain -1.0dBi Max (Declared by the applicant)

1.4 Submitted Sample: 2 Samples

1.5 Test Duration

2021-12-02 to 2021-12-21

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

Terry Tang

The sample tested by

Print Name: Terry Tang

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100294	2021-06-18	2022-06-17
LISN	R&S	EZH3-Z5	100253	2021-06-18	2022-06-17
Impuls-Begrenzer	R&S	ESH3-Z2	100281	2021-06-18	2022-06-17
Loop Antenna	EMCO	6507	00078608	2021-06-18	2024-06-17
Spectrum	R&S	FSIQ26	100292	2021-06-18	2022-06-17
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2021-07-02	2024-07-01
Horn Antenna	R&S	BBHA 9120D	9120D-631	2021-07-02	2024-07-01
Power meter	Anritsu	ML2487A	6K00003613	2021-06-18	2022-06-17
Power sensor	Anritsu	MA2491A	32263	2021-06-18	2022-06-17
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2021-07-02	2024-07-01
9*6*6 Anechoic			N/A	2021-07-02	2022-07-01
EMI Test Receiver	RS	ESVB	826156/011	2021-06-18	2022-06-17
EMI Test Receiver	RS	ESH3	860904/006	2021-06-18	2022-06-17
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2021-06-18	2022-06-17
Spectrum	HP/Agilent	E4407B	MY50441392	2021-06-18	2022-06-17
Spectrum	RS	FSP	1164.4391.38	2021-01-16	2022-01-15
RF Cable	Zhengdi	ZT26-NJ-NJ-8M/FA	1	2021-06-18	2022-06-17
RF Cable	Zhengdi	7m	-	2021-06-18	2022-06-17
RF Switch	EM	EMSW18	060391	2021-06-18	2022-06-17
Pre-Amplifier	Schwarebeck	BBV9743	#218	2021-06-18	2022-06-17
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2021-06-18	2022-06-17
LISN	SCHAFFNER	NNB42	00012	2021-01-06	2022-01-05

2.2 Automation Test Software

For Conducted Emission Test

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

For Radiated Emissions

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

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3.0 Technical Details

3.1 Summary of test results

The E	UT has	been	tested	accord	ling to	o 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	N/A	N/A
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 and RSS-210	Radiated Emission Test	Pass	Complies
FCC Part 15 Subpart C Paragraph 15.249(d) Limit	Band Edge Test	Pass	Complies

3.2 Test Standards

FCC Part 15 Subpart C, Paragraph 15.249, ANSI C63.4:2014 and ANSI C63.10:2013

4.0 EUT Modification

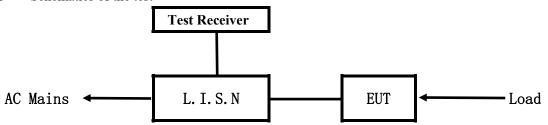
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

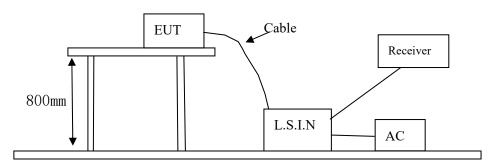


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.4-2014. 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.

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.

A. EUT

Device	Manufacturer	Model	FCC ID
Wireless Keyboard	Shenzhen Star Sources Electronic Technology Co., Ltd.	MWKB142, IWKB142, MWKB142B, IWKB142B	ZJE-MWKB142

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer	Model	Rating
N/A			

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

Frequency	Limits (dB µ V)			
(MHz)	Quasi-peak Level	Average Level		
$0.15 \sim 0.50$	66.0~56.0*	56.0~46.0*		
$0.50 \sim 5.00$	56.0	46.0		
5.00 ~ 30.00	60.0	50.0		

Notes: 1. *Decreasing linearly with logarithm of frequency.

2. The tighter limit shall apply at the transition frequencies

5.6 Test Results:

N/A

Note: EUT powered by AAA battery, this test item not applicable.

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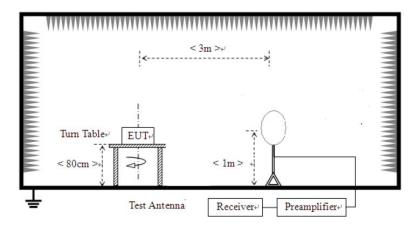


6 Radiated Emission Test

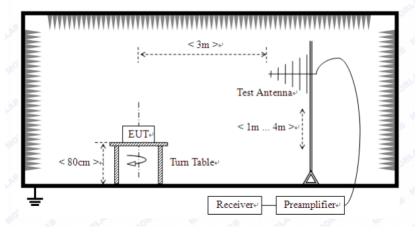
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 25 GHz was investigated. All readings from 30 MHz to 1 GHz are quasi-peak values with a resolution bandwidth of 120 kHz. All readings are above 1 GHz, peak values with a resolution bandwidth of 1 MHz (Note: for Fundamental frequency radiated emission measurement, RBW=3MHz, VBW=10MHz). Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



For radiated emissions from 30MHz to1GHz



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

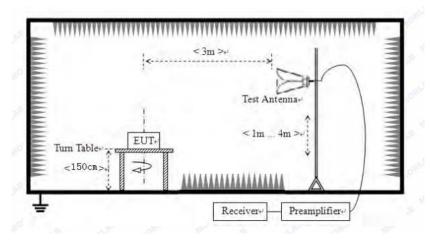
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For radiated emissions above 1GHz



- 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.
- 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 Strength of Fundamental (3m)				Field Strength of Harmonics (3m)		
(MHz)	mV/m	dBuV/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.

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B. Frequencies in restricted band are complied to limit on Paragraph 15.209.

	•	
Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
0.009-0.049	3	20log(2400/F(kHz)) +40log (300/3)
0.490-1.705	3	20log(24000/F(kHz)) +40log (30/3)
1.705-30	3	69.5
30-80	3	40.0
88-216	3	43.5
216-960	3	46.0
Above 960	3	54.0

Note:

- 1. RF Voltage (dBuV) = 20 log RF Voltage (uV)
- 2. In the Above Table, the tighter limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. All scanning using PK detector. And the final emission level was get using QP detector for frequency range from 30-1000MHz.As to 1G-25G, the final emission level got using PK. For fundamental measurement, PK detector used.
- 5. For radiated emissions from 9kHz to 30MHz, the emission level is much less than the limit for more than 20dB. No necessary to take down the record.
- 6. New battery was used during tests.

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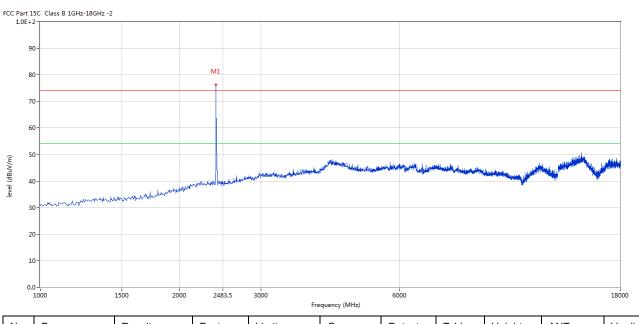


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2402.65MHz

Horizontal



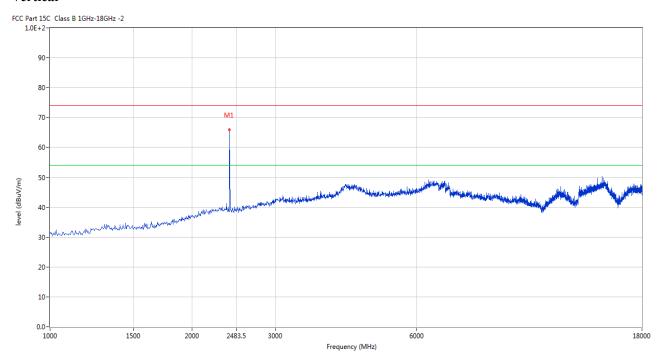
No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2402.149	76.28	-3.57	114.0	-37.72	Peak	27.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2402.149	65.89	-3.57	114.0	-48.11	Peak	77.00	100	Vertical	Pass

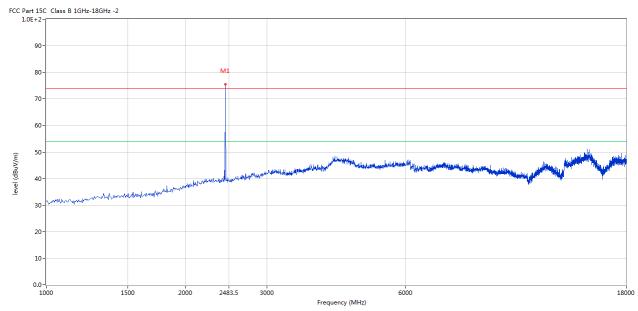
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Please refer to the following test plots for details: Middle Channel-2441.65MHz

Horizontal



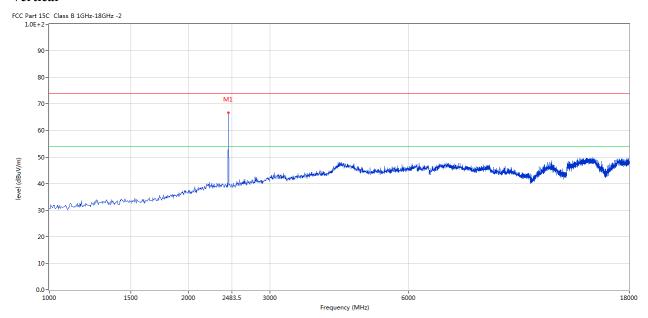
Ī	No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
		(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
Ī	1	2441.250	75.53	-3.57	114.0	-38.47	Peak	24.00	100	Horizontal	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2441.250	66.67	-3.57	114.0	-47.33	Peak	34.00	100	Vertical	Pass

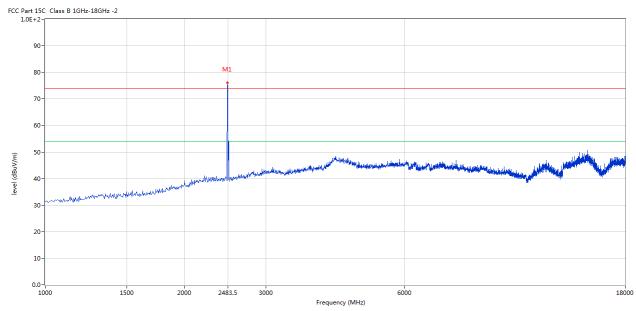
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Please refer to the following test plots for details: High Channel-2480.65MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	Limit (dB)		(o)	(cm)		
1	2480.160	76.17	-3.57	114.0	-37.83	Peak	353.00	100	Horizontal	Pass

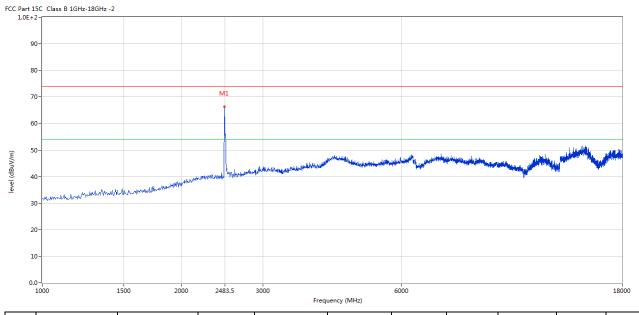
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2480.160	64.25	-3.57	114.0	-49.75	Peak	326.00	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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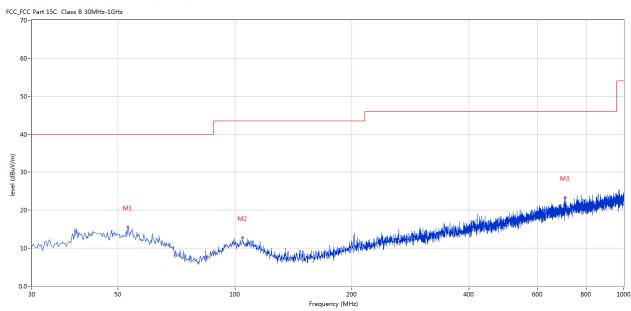


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	53.032	15.53	-11.50	40.0	-24.47	Peak	19.00	100	Horizontal	Pass
2	104.671	12.80	-13.25	43.5	-30.70	Peak	0.00	100	Horizontal	Pass
3	705.921	23.37	-4.11	46.0	-22.63	Peak	31.00	100	Horizontal	Pass

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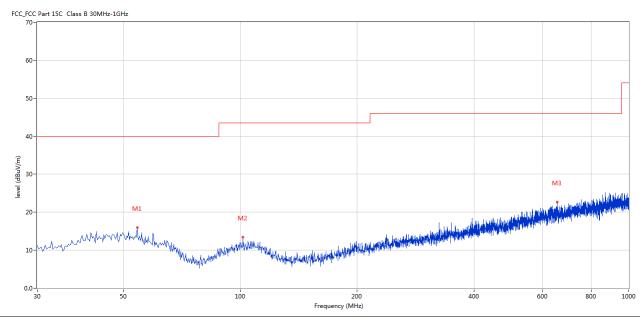


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	54.244	15.90	-11.60	40.0	-24.10	Peak	352.00	100	Vertical	Pass
2	101.520	13.41	-13.44	43.5	-30.09	Peak	313.00	100	Vertical	Pass
3	653.312	22.63	-4.48	46.0	-23.37	Peak	345.00	100	Vertical	Pass

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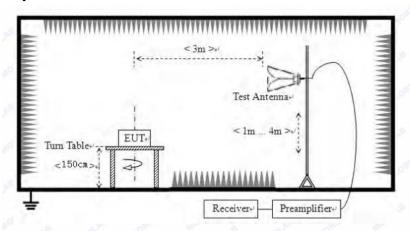


7. Band Edge

7.1 Test Method and test Procedure:

- (1) The EUT was tested according to ANSI C63.10–2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) Set Spectrum as RBW=1MHz, VBW=3MHz and Peak detector used for PK value. RBW=1MHz, VBW=10Hz and Peak detector used for AV value.
- (3) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (4) The antenna polarization: Vertical polarization and Horizontal polarization.

7. 2 Radiated Test Setup



For the actual test configuration, please refer to the related items – Photos of Testing

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

Emissions radiated outside of the specified frequency bands, except for harmonics, shall be attenuated by at least 50 dB below the level of the fundamental or to the general radiated emission limits in Section 15.209, whichever is the lesser attenuation.

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

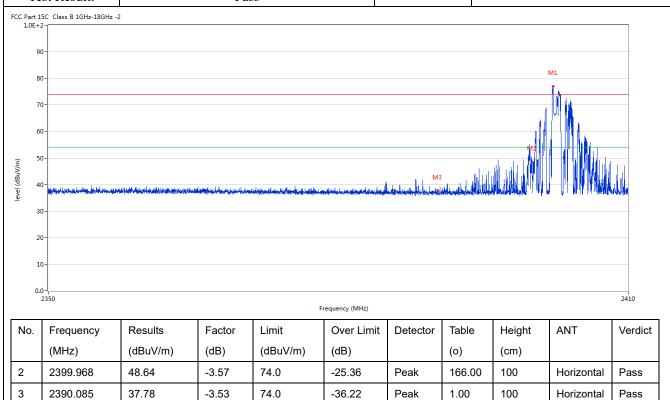
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7.6 Test Result

Product:	Wireless Keyboard	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC1.5V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



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P	Product:	V	Vireless Ke	eyboard	Г	Detector		Vert	ical	
	Mode	Ke	eping Tran	nsmitting	Tes	st Voltage		DC1	.5V	
Ter	mperature		24 deg.	C,	Н	umidity		56%	RH	
Tes	st Result:		Pass					_	_	
Part 15	5C Class B 1GHz-18GHz -:	2								
90	1-									
80)-							M	11	
70)-								- N 1	
								N/III	MA.	
60)-							11	11/11	
60 50								M2		
50)-					M3		M2		ılı
)-	or facilities is an open facilities and a constitution of the cons	·	o Paraganta da Anton	سلنطية فيروب عيدرونة فيتناف أنبا	M3	المراجع والمراجع والم	M2		<u> </u>
) — - - - - - - - 	ool audiesissel prairie assiglises maassa andi	deficiency and the colonique to the	غرد أوده البلطوم ومناهدة معطور وما مواامرة	ndingist anamona iyi balishii	M3	فرسا والمستور	M2/		بالليه
50 40) - haladha/naman-etisharathkirik/mil/enam) -	ool passilonis sad to completion on a construction of the completion of the construction of the constructi	option of the same and the same a	o de participa de la compansión de la comp	المراد والمراجع والمراجع والمراجع المراجع والمراجع والمرا	M3	المستوالية	M2		بيلليه
50 40 30) - Lyhalded yyana arveti kurasak kirik kirik kirik) -) -	er) anthrolomb y washe assigned to the manufactured	PROMETON SAMPANIA SAM	ندر در آوده به المؤوم به مؤونه في الاستان و المؤونة في الاستان و المؤونة في الاستان و المؤونة في الاستان و الم	uding pelangman yak bligi ci	M3 x havidga bih ibli kilipenda q	kydemacy skiestelika-jd	M2 ₁		A Lyra
50 40 30 20) - - - - - - - -	ool pasterius oo gaarka saa officie waxaa saasii	क्षेत्रकार क्षेत्रका अवश्यक्षेत्र अवश्यक्त कार्यक्ष	يون فيور عام وهيا المعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمع المعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمعاملية والمعاملية و	nding of landers and his life in	M3	فبمنا المتحدث المتحدث	M2		dal ligra
50 40 30 20 10) - - - - - - - -	od fallenia met y english ameglishi in-manan si negali	神 节之,在古典人,如此的情况。		quency (MHz)	M3	المستوان المستوان	M2		2410
50 40 30 20 10 0.0 2		Results	Factor		quency (MHz)	M3	Table	Height	ANT	1
50 40 30 20 10 0.0 2			Factor (dB)	Free	· ·	or have adjust the state of the	Table		ANT	1
50 40 30 20 10	Frequency	Results		Free	Over Limit	or have adjust the state of the		Height	ANT Vertical	2410 Verd Pass

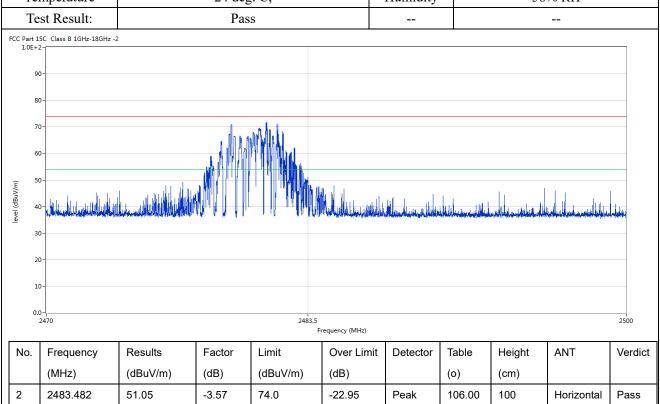
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1)

Product:	Wireless Keyboard	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC1.5V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



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J	Product:	,	Wireless K	eyboard	Γ	Detector		Ver	tical													
	Mode Keeping Transmitting Test Voltage DC1						1.5V															
Te	mperature	24 deg. C, Humidity 56% RH							erature 24 deg. C, Humidity		24 deg. C, Humidity 56% RH						24 deg. C,		Humidity 56% RH			
Te	est Result:		Pas	S																		
CC Part 1	15C Class B 1GHz-18GHz 2-	-2																				
0	10-																					
8	10-																					
7	70-																					
6	60-		. Aut	l.m/Male																		
. 5	i0-			P1																		
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3:	10 - What his his to a second Adapt his	hadraterikasin lekteribbilan kiliplas			Andrewskind special actions of	a na	h sidnasarlığı minasiyyen	ng nitude di ning di distribi di di	to the state of th	n. hadesey)												
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3 2 1 0.	0	Results	Factor			Detector	Table	Height	ANT	2500												
4- 3- 2- 1- 0-	00	Results (dBuV/m)	Factor (dB)	Fr	equency (MHz)		perment of the physics															

Note: 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 -1.0dBi Max. It fulfills the requirement of this section. Test Result: Pass

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Product:	Wireless Keyboard				Test Mode:			Keep transmitting		
Mode		ng Transmi	tting				DC1.5V			
Temperature Test Result:		24 deg. C, Pass					+	56% RH PK		
20dB Bandwidth	2	2.365MHz			PK					
Ref Lvl	Marker ndB	1 [T1 no	00 dB	RB VB SW	W	100 k 300 k 5 m	Hz	F Att	10 dB	
-10	DW 2	1	TO MIZ	SW.		▼1 ndF	[T1]	-16	.17 dBm 010 GHz .00 dB	
-20				<u></u>			[T1]	-36	.78 dBm 904 GHz	1
1MAX -40							T2	2.40300	577 GHZ	1
-60										
-70										
-80										
-90										

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Product:	Wireless Keyboard Keeping Transmitting 24 deg. C, Pass				Test Mode:		Keep transmitting		
Mode					Test Voltage Humidity Detector		DC1.5V 56% RH PK		
Temperature									
Test Result:									
20dB Bandwidth	2	2.355MHz							
	Marker 1 [T1 ndB]			RBW	100 kF		F Att	10 dB	В
Ref Lvl 0 dBm	ndB BW :	20. 2.354709	00 dB 42 MHz	VBW 300 kHz SWT 5 ms Un			nit dBm		ı
-10		1			ndB BW	[T1]	-15 2.44104 20 2.35470	.06 dBm 008 GHz .00 dB 942 MHz	A
-30	Ţ,			M	V ✓ T2	[T1]	2.44054 -35 2.44290	910 GHz .49 dBm 381 GHz	1M2
-40									
-60								\	
-70									
-80									
-90 -100									
Center 2.44	11646293 GH	Z	500	kHz/			Spa	ın 5 MHz	•

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GFSK Modulati	ion								
Product:	Wireless Keyboard Keeping Transmitting				Test Mode:		Keep transmitting DC1.5V 56% RH		
Mode					Test Voltage	e			
Temperature	2	24 deg. C,							
Test Result:		Pass Detector							
20dB Bandwidth	2.	345MHz							
	Marker	1 [T1 n	dB]	RB	RBW 100 kHz RF Att				
Ref Lvl	ndB 20.00 dB			VBI				1-	
0 dBm	BW 2	2.344689	38 MHz	SW'	Γ 5 π	ns U	nit	dBm	
					v ₁	[T1]	-1	7.53 dBm	A
-10					7.7		2.48002		
		1			nd! BW		2.34468	0.00 dB 8938 MHz	
-20		\wedge		\	$\nabla_{\mathbf{T}}$	[T1]	-3	7.31 dBm	
					\~~		2.4795	7415 GHz	
-30			~ <> 0	\sim	V _T :	2 [T1]	-3'		
1MAX	Ţ					T2	2.48191	1884 GHz	1MA
-40						7			
-50								1	
-60									
-70									
-80									
-90									
100									
-100 Center 2.	480661323 GH	Z	500	kHz/			Spa	an 5 MHz	I
Date: 14.	.DEC.2021 17	:36:04							

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10.0 FCC ID Label

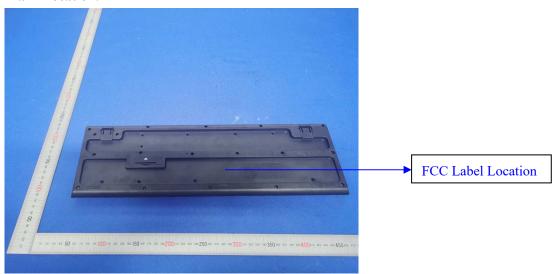
FCC ID: ZJE-MWKB142

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:



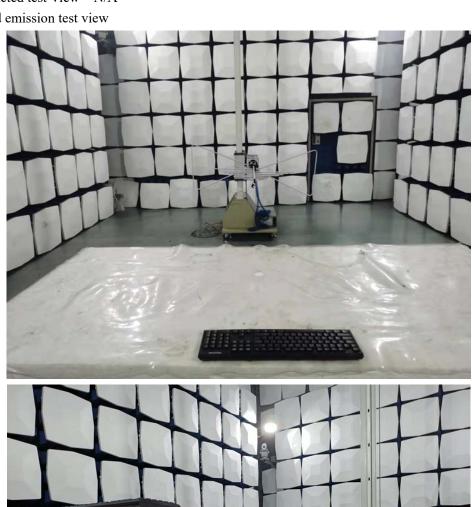
Date: 2021-12-21



11.0 Photo of testing

11.1 Conducted test View-N/A

Radiated emission test view





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

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11.2 Photographs-EUT

Outside View





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Photographs – EUT

Outside View





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Outside View



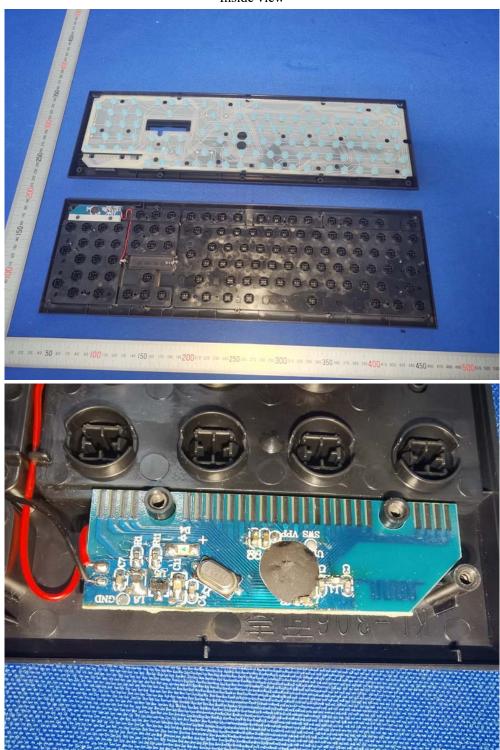
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Inside view



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Inside view



-- End of the report--