



Report No.: FCC1906059 File reference No.: 2019-06-27

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

Product: Keyboard with touchpad

Model No.: BRK2100B

Brand Name: brookstone

Test Standards: FCC Part 15.249

Test result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.4&FCC Part 15 Subpart C, Paragraph 15.249 regulations for the evaluation of

electromagnetic compatibility

Approved By

Jack Chung

Jack Chung

Manager

Dated: June 27, 2019

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

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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.

Date: 2019-06-27



Test Report Conclusion

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

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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: Room1102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District, Shenzhen,

China

Telephone: 0755 -86397260 Fax: 0755-26609516

1.3 Description of EUT

Product: Keyboard with touchpad

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

Address: Room1102, Block 1st, Yi Luan Building, Xixiang Road 230, BaoAn District,

Shenzhen, China

Brand Name: brookstone
Model Number: BRK2100B

Additional Model Name N/A

Input Voltage: DC3.0V, 2 pcs AAA batteries

Modulation Type: GFSK

Operation Frequency 2404-2478MHz

Channel	1	2	3	4	5
Frequency(MHz)	2414	2404	2408	2478	2406
Channel	6	7	8	9	10
Frequency(MHz)	2454	2410	2456	2474	2405
Channel	11	12	13	14	15
Frequency(MHz)	2441	2425	2458	2470	2452
Channel	16	17	18	19	20
Frequency(MHz)	2477	2435	2460	2421	2466

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Antenna Designation PCB antenna with gain 0dBi Max

Hardware Version: V1.4 Software Version: V1.1

1.4 Submitted Sample

2 Sample

1.5 Test Duration

209-06-22 to 2019-06-25

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

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	2019-06-21	2020-06-20
Ultra Broadband R&S ANT		HL562	100157	2019-06-21	2020-06-20
Loop Antenna	EMCO	6507	00078608	2019-06-21	2020-06-20
Spectrum	R&S	FSIQ26	100292	2019-06-21	2020-06-20
Horn Antenna	A-INFO	LB-180400-KF	J211060660	2019-06-21	2020-06-20
Horn Antenna	R&S	BBHA 9120D	9120D-631	2018-08-24	2019-08-23
Bilog Antenna	Schwarebeck	VULB9163	9163/340	2018-07-04	2019-07-03
9*6*6 Anechoic			N/A	2018-02-07	2021-02-06
Spectrum	HP/Agilent	ESA-L1500A	US37451154	2019-06-21	2020-06-20
Spectrum	RS	FSP	1164.4391.38	2019-01-18	2020-01-17
RF Cable	Zhengdi	ZT26-NJ-NJ-8 M/FA		2018-05-23	2020-05-22
RF Cable	Zhengdi	7m		2019-03-08	2020-03-07
RF Switch	EM	EMSW18	060391	2019-06-21	2020-06-20
Pre-Amplifier	Schwarebeck	BBV9743	#218	2019-06-21	2020-06-20
Pre-Amplifier	HP/Agilent	8449B	3008A00160	2018-08-05	2019-08-04
DC Power Supply	Jingtong	JT12098	WYK-305	2018.08.20	2019-08-19
LISN	SCHAFFNER	NNB42	00012	2019-01-08	2020-01-07

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3.0 Technical Details

3.1 Summary of test results

The EUT has been tested according to the following specifications:

Standard	Test Type	Result	Notes
FCC Part 15, Paragraph 15.207	Conducted Emission Test	N/A	Complies
FCC Part 15 Subpart C Paragraph 15.249(a)	Field Strength of Fundamental	PASS	Complies
FCC Part 15, Paragraph 15.209 15.205	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

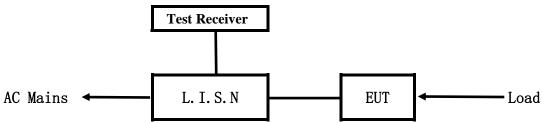
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

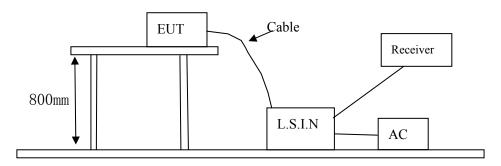


EUT: Equipment Under Test

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.

One channels are provided to the EUT

A. EUT

Device	Manufacturer	Model	FCC ID
Keyboard with	Shenzhen Star Sources Electronic	BRK2100B	ZJEST-WK600
touchpad	Technology Co., Ltd.	DKK2100D	ZJES1-W K000

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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 15.107 and 15.207

Eraguanay (MHz)	Class A Lir	nits (dB µ V)	Class B Limits (dB μ V)		
Frequency(MHz)	Quasi-peak Level	Average Level	Quasi-peak Level	Average Level	
$0.15 \sim 0.50$	79.0	66.0	66.0~56.0*	56.0~46.0*	
$0.50 \sim 5.00$	73.0	60.0	56.0	46.0	
5.00 ~ 30.00	73.0	60.0	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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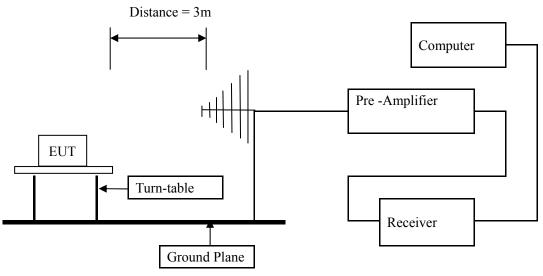
Date: 2019-06-27



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



- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition
 Same as section 5.4 of this report.

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6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

A FCC Part 15 Subpart C Paragraph 15.249(a) Limit

Fundamental Frequency	Field Stre	ength of Fundame	ental (3m)	Field S	trength of Harmo	nics (3m)
(MHz)	mV/m	dBu	V/m	uV/m	dBuV/m	
2400-2483.5	50	94 (Average) 114 (Peal		500	54 (Average)	74 (Peak)

Note:

- 1. RF Field Strength (dBuV) = 20 log RF Voltage (uV)
- 2.Distance refers to the distance in meters between the measuring instrument antenna and the closed point of any part of the device or system.
- 3. The emission limit in this paragraph is based on measurement instrumentation employing an average detector.

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

Frequency Range (MHz)	Distance (m)	Field strength (dB μ V/m)
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. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.
- 5. 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.
- 6. New batteries were used during tests.

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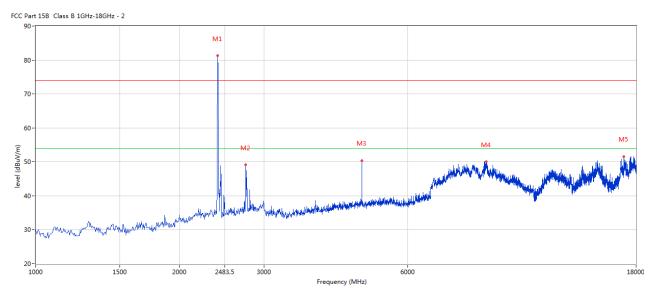


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

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

Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	2402.149	81.22	-3.57	74.0	7.22	Peak	17.00	100	Н	N/A
2	2750.562	49.08	-2.83	74.0	-24.92	Peak	22.00	100	Н	Pass
3	4807.048	50.41	3.13	74.0	-23.59	Peak	0.00	100	Н	Pass
4	8758.560	50.04	7.96	74.0	-23.96	Peak	247.00	100	Н	Pass
5	16959.010	51.62	12.72	74.0	-22.38	Peak	0.00	100	Н	Pass

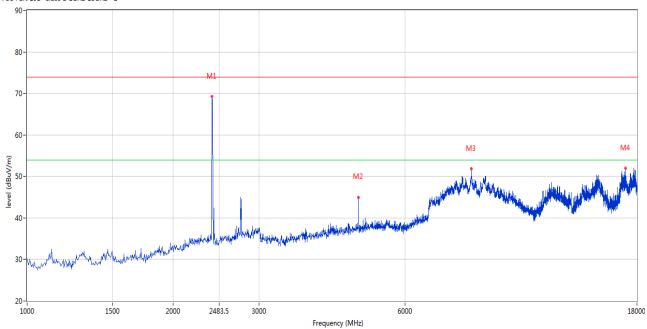
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Vertical





No.	Frequency	Results	Factor (dB)	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)		(dBuV/m)	(dB)		(o)	(cm)		
1	2402.149	69.24	-3.57	74.0	-4.76	Peak	96.00	100	V	Pass
2	4807.048	45.00	3.13	74.0	-29.00	Peak	87.00	100	V	Pass
3	8214.696	51.83	8.32	74.0	-22.17	Peak	358.00	100	V	Pass
4	17035.491	52.03	12.93	74.0	-21.97	Peak	0.00	100	V	Pass

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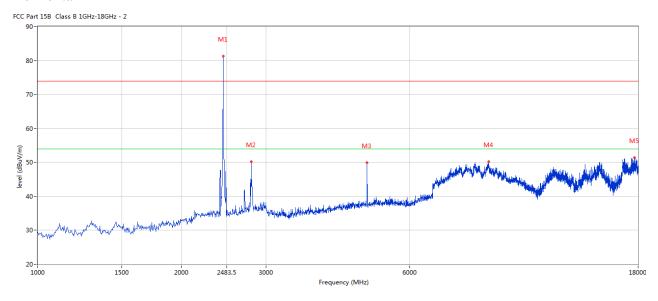
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Please refer to the following test plots for details: Middle Channel

Horizontal



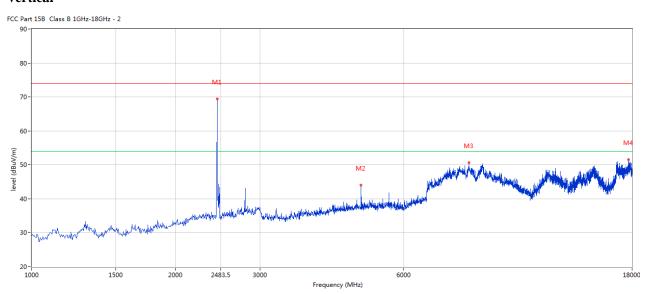
No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	2440.390	81.27	-3.57	74.0	7.27	Peak	17.00	100	Н	N/A
2	2793.052	50.18	-2.71	74.0	-23.82	Peak	25.00	100	Н	Pass
3	4883.529	49.84	3.20	74.0	-24.16	Peak	360.00	100	Н	Pass
4	8771.307	50.21	7.96	74.0	-23.79	Peak	298.00	100	Н	Pass
5	17677.081	51.39	12.77	74.0	-22.61	Peak	0.00	100	Н	Pass

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Vertical



No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	2440.390	69.44	-3.57	74.0	-4.56	Peak	91.00	100	V	Pass
2	4883.529	44.01	3.20	74.0	-29.99	Peak	86.00	100	V	Pass
3	8206.198	50.60	8.33	74.0	-23.40	Peak	360.00	100	V	Pass
4	17698.325	51.48	12.76	74.0	-22.52	Peak	360.00	100	V	Pass

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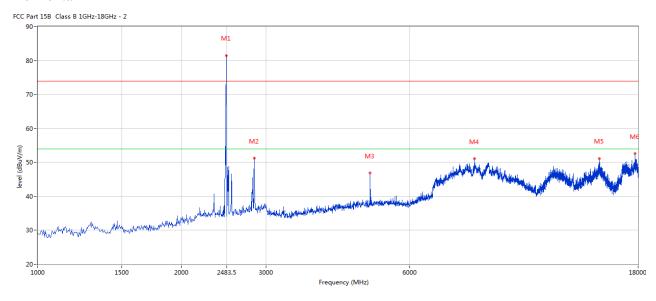
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Please refer to the following test plots for details: High Channel

Horizontal



No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	2478.630	81.51	-3.57	74.0	7.51	Peak	67.00	100	Н	N/A
2	2835.541	51.23	-2.69	74.0	-22.77	Peak	28.00	100	Н	Pass
3	4955.761	46.90	3.35	74.0	-27.10	Peak	0.00	100	Н	Pass
4	8197.701	51.10	8.33	74.0	-22.90	Peak	233.00	100	Н	Pass
5	14932.267	51.14	12.59	74.0	-22.86	Peak	360.00	100	Н	Pass
6	17732.317	52.58	12.75	74.0	-21.42	Peak	360.00	100	Н	Pass

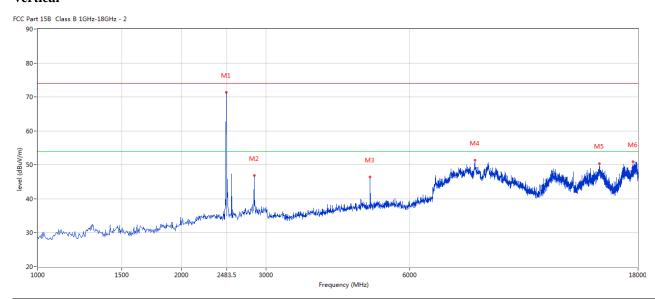
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Vertical



No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	2478.630	71.36	-3.57	74.0	-2.64	Peak	358.00	100	V	Pass
2	2835.541	46.88	-2.69	74.0	-27.12	Peak	83.00	100	V	Pass
3	4955.761	46.37	3.35	74.0	-27.63	Peak	119.00	100	V	Pass
4	8206.198	51.42	8.33	74.0	-22.58	Peak	267.00	100	V	Pass
5	14949.263	50.39	12.63	74.0	-23.61	Peak	0.00	100	V	Pass
6	17579.355	50.94	12.81	74.0	-23.06	Peak	0.00	100	V	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, It is only the floor noise. No necessary to take down.

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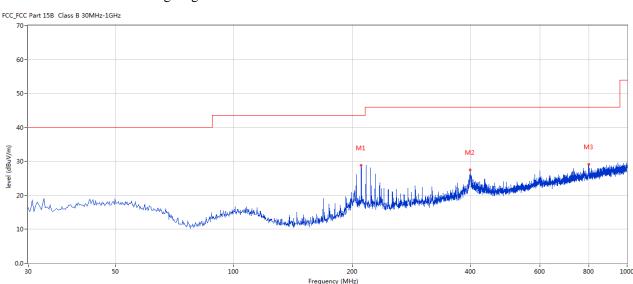


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequen	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	cy (MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	210.860	28.89	-13.64	43.5	-14.61	Peak	360.00	200	Н	Pass
2	398.750	27.55	-8.63	46.0	-18.45	Peak	360.00	200	Н	Pass
3	798.533	29.20	-3.01	46.0	-16.80	Peak	126.00	100	Н	Pass

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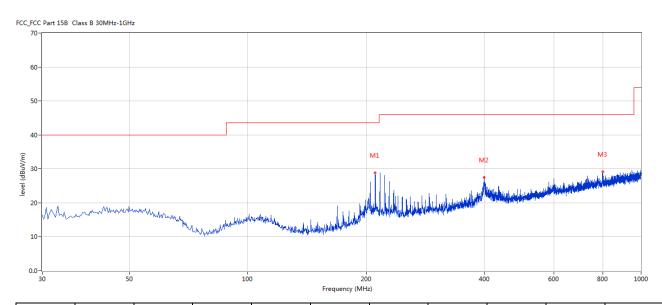


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequen	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	cy (MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	210.860	28.89	-13.64	43.5	-14.61	Peak	360.00	200	Н	Pass
2	398.750	27.55	-8.63	46.0	-18.45	Peak	360.00	200	Н	Pass
3	798.533	29.20	-3.01	46.0	-16.80	Peak	126.00	100	Н	Pass

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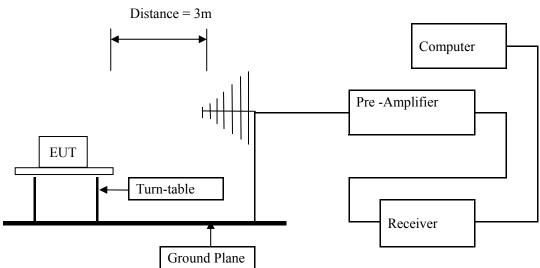
7. Band Edge

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 is for PK value, RMS detector is 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.

(Note: for Fundamental frequency radiated emission measurement,RBW=3MHz, VBW=10MHz)

7. 2 Radiated Test Setup



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

7.3 Configuration of The EUT

Same as section 5.3 of this report

7.4 EUT Operating Condition

Same as section 5.4 of this report.

7.5 Band Edge Limit

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

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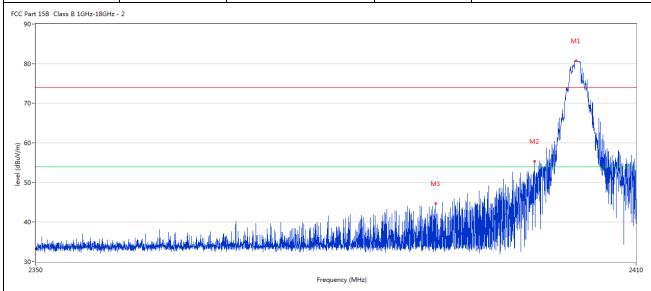
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7.6 Test Result

Product:	Keyboar	d with touchpad	Polarity	Horizontal
Mode	Keepin	g Transmitting	Test Voltage	DC3.0V
Temperature	2	4 deg. C,	Humidity	56% RH
Test Result:		Pass		
2400MHz	PK (dBμV/m)	55.36	Limit	$74~dB\mu V/m$
2400MHz	AV (dBμV/m)	43.51	Limit	54 dBμV/m
2390 MHz	PK (dBμV/m)	44.71	Limit	74 dBμV/m
2390 MHz	AV (dBμV/m)		Limit	54 dBμV/m

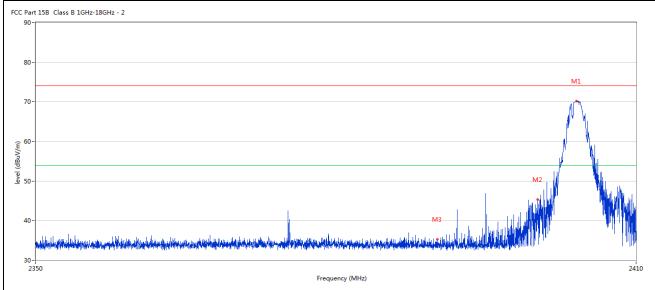


No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	2403.942	80.69	-3.57	74.0	6.69	Peak	11.00	100	Н	N/A
2	2399.773	55.36	-3.57	74.0	-18.64	Peak	34.00	100	Н	Pass
3	2399.773	43.51	-3.57	54.0	-10.49	AV	34.00	100	Н	Pass
4	2389.830	44.71	-3.53	74.0	-29.29	Peak	219.00	100	Н	Pass

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Product:	Keyboar	d with touchpad	Detector	Vertical
Mode	Keeping	g Transmitting	Test Voltage	DC3.0V
Temperature	24	4 deg. C,	Humidity	56% RH
Test Result:		Pass		
2400MHz	PK (dBμV/m)	45.28	Limit	$74~dB\mu V/m$
2400MHz	AV $(dB\mu V/m)$	1	Limit	54 dBμV/m
2390 MHz	PK (dBμV/m)	35.31	Limit	$74~dB\mu V/m$
2390 MHz	AV (dBμV/m)		Limit	$54~dB\mu V/m$

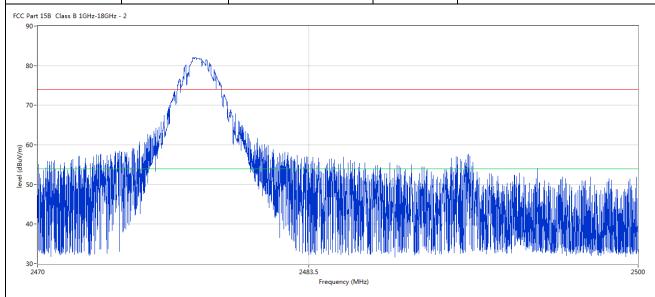


No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	2403.957	70.18	-3.57	74.0	-3.82	Peak	90.00	100	V	Pass
2	2400.072	45.28	-3.57	74.0	-28.72	Peak	90.00	100	V	Pass
3	2389.980	35.31	-3.53	74.0	-38.69	Peak	197.00	100	V	Pass

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Product:	Keyboar	d with touchpad	Polarity	Horizontal
Mode	Keeping	g Transmitting	Test Voltage	DC3.0V
Temperature	24	4 deg. C,	Humidity	56% RH
Test Result:		Pass		-
2483.5MHz	PK (dBμV/m)	57.06	Limit	$74~dB\mu V/m$
2483.5MHz	AV (dBμV/m)	45.39	Limit	54 dBμV/m



No.	Frequency	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
1	2477.828	82.01	-3.57	74.0	8.01	Peak	67.00	100	Н	N/A
2	2483.509	57.06	-3.57	74.0	-16.94	Peak	57.00	100	Н	Pass
3	2483.509	45.39	-3.57	54.0	-8.61	AV	57.00	100	Н	Pass
4	2490.608	58.12	-3.69	74.0	-15.88	Peak	57.00	100	Н	Pass
5	2490.608	46.28	-3.69	54.0	-7.72	AV	57.00	100	Н	Pass

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P	roduct:		Keyboar	d with touc	hpad	De	tector		Vertica	al
	Mode		Keepin	g Transmitt	ing	Test	Voltage		DC3.0	V
Ten	nperature		2	4 deg. C,		Hui	midity		56% RH	
Tes	st Result:			Pass						
248	83.5MHz	PK (dl	BμV/m)	4	6.26	L	imit		74 dBμV	7/m
248	83.5MHz	AV (dl	BμV/m)			L	imit		54 dBμV	7/m
Part 15	5B Class B 1GHz-18GH	1z - 2		•		•	•			
80										
			W~~~~							
70-										
60-		/		N						
50-		1		1						
50-	11. 14				A		11/16	h.		
40-							أأنك بالنا تماما	handii naadii da	ak lai ni Jiwaka i	lo de la constitución
				"				T''1144444		
30-	ուս կովայի ատ ողորդ է և				2483.5	Andread a standard	tolokhodrasi atr	and the astronomy of the second	beattick selledikelise	25
						y (MHz)				
۱o.	Frequenc	Results	Factor	Limit	Over	Detector	Table (o)	Height	ANT	Verdict
	y (MHz)	(dBuV/m	(dB)	(dBuV/m	Limit			(cm)		
))	(dB)					
	2477.746	72.02	-3.57	74.0	-1.98	Peak	355.00	100	V	N/A
2	2483.527	46.26	-3.57	74.0	-27.74	Peak	360.00	100	V	Pass

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

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Product:	Keyboard with touchpad				Test Mode:		Keep transmitting			
Mode	Keeping Transmitting				Tes	st Voltage		DC3.0V		
Temperature	mperature 24 deg. C,				Humidity		56% RH			
Test Result:							PK			
0dB Bandwidth	th 1.122MHz									
	Marker	1 [T1 n	ndB]	R.	ЗW	30 k	Hz R	F Att	0 dB	
Ref Lvl	ndB	20.	00 dB	V	B₩	100 k	Hz			
-10 dBm	BW 3	L.122244	49 MHz	SI	TW	14 m	s U	nit	dBn	n
-10						v ₁	[T1]	-22	.43 dBm	n
			1					2.40398	497 GHz	
-20			Ž			ndE		20	.00 dB	1
				1.4		BW ▽ _{T1}	I ma a	1.12224	449 MHz	í
-30			70	<u> </u>		* T1	[T1]	2.40342	.22 dBm 385 GHz	1
					W	$ riangledown_{ m T1}$	[T1]	-42	.83 dBm	0
-40		<u> </u>	J			72		2.40454	609 GHz	-
1MAX -50										11
		m								
-70	man	V				~	\		~~~	•
- 70										
-80										
-90										-
-100										-
110										
-110 Center 2.40	4 GHz		500	kHz/				Spa	n 5 MHz	<u>4</u> 1

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Product:	Keyboa		Tes	st Mode:		Keep transmitting			
Mode	Keepi		Test Voltage		DC3.0V				
Temperature	24 deg. C,			H	umidity	56% RH			
Test Result:	Pass			D	etector		PK		
20dB Bandwidth	1.102MHz								
Ŕ	Marker	1 [T1 ndB]	R	BW	30 kH	Iz R	F Att	0 dB	
Ref Lvl	ndB	20.00 dB	V	BW	100 kH				
-10 dBm	BW	1.10220441 MH:	z S	WT	14 ms	. Ui	nit	dBm	
-10					v ₁	[T1]	-23	.04 dBm	_
							2.44098	497 GHz	A
-20			-		ndB		20	.00 dB	
					BW		1.10220	441 MHz	
-30			HUN		$\nabla_{\mathrm{T}1}$	[T1]	-42	.37 dBm	
			۱ '	η_	$ abla_{\mathrm{T2}}$	Ema 1	2.44043		
-40		71		VI F2	2 1.7	[T1]		.82 dBm	
1MAX) V		Ÿ			2.44155	ll ll	1MA
-50		/							
-30					9				
-60	40.4	m)							
my	Maril Maril	V			~\\	Lylum		my	
-70									
-80									
-90									
100									
-100									
-110 Center 2.	.441 GHz	50) kHz/				Spai	n 5 MHz	
			/				Span	0 11112	
Date: 24	.JUN.2019 10	0:35:12							

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Product:	Keyboa	Т	est Mode:		Keep transmitting					
Mode	Keepii	To	est Voltage		DC3.0V					
Temperature	24 deg. C,]	Humidity		56% RH			
Test Result:	Pass				Detector		PK			
20dB Bandwidth	1.112MHz									
Ŕ	Marker 1 [T1 ndB]			RBW	30 k	Hz Rl	F Att	0 dB		
Ref Lvl	ndB		00 dB	VBW	100 k					
-10 dBm	BW	L.112224	45 MHz	SWT	14 m	s Ui	nit	dBm		
-20			Į.		▼1 ndB	[T1]	20	.51 dBm 497 GHz .00 dB 445 MHz	А	
-30			ſ		$ abla_{\mathrm{T}1}$	[T1]	-45	.05 dBm		
-40				M	$oldsymbol{ abla}_{\mathrm{T}2}$	[T1]	2.47743 -45	387 GHz .63 dBm		
1MAX		TÂ			[2 ▼		2.47854	609 GHz	1MA	
-50										
-70	\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	, o for			W	Tamy	M.	- mh/		
-80								· W-0 V		
-90										
-100										
-110 Center 2.	 .478 GHz		500	kHz/			Spa	n 5 MHz		
Date: 24	.JUN.2019 10	:36:49								

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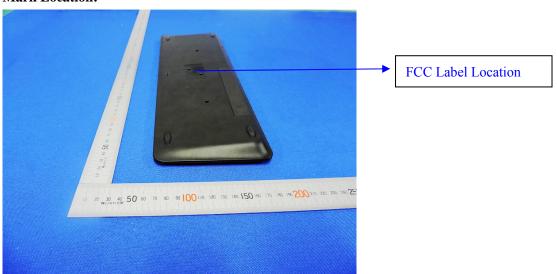
10.0 FCC ID Label

FCC ID: ZJEST-WK600

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:

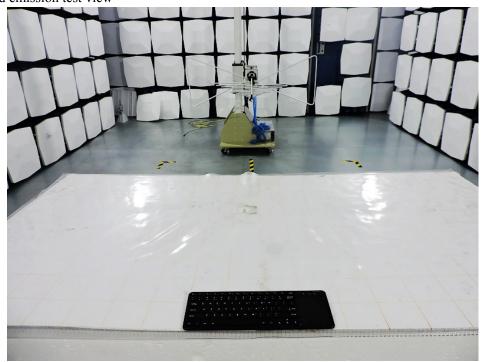


Date: 2019-06-27



11.0 Photo of testing

11.1 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-Mouse





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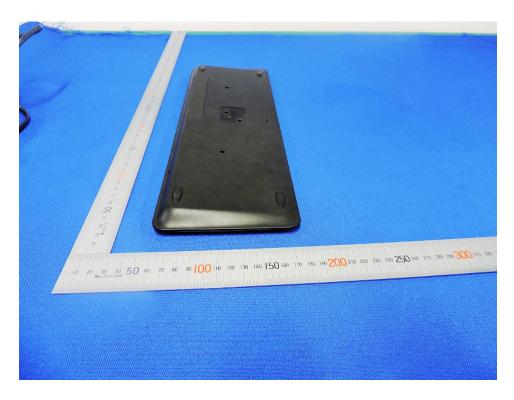
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Photographs – EUT

Outside View-Mouse





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Outside View-Mouse





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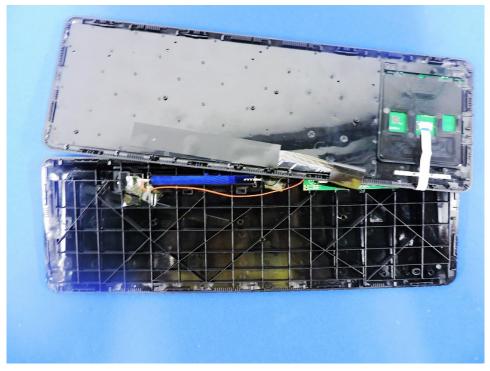
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Inside view-Mouse





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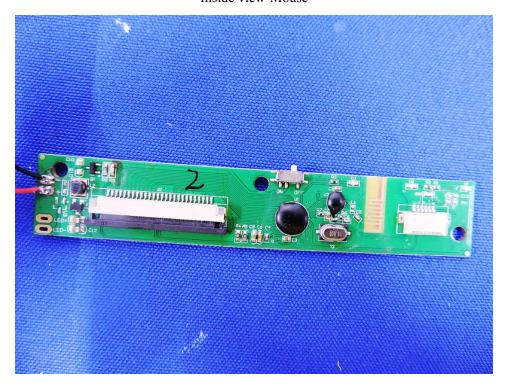
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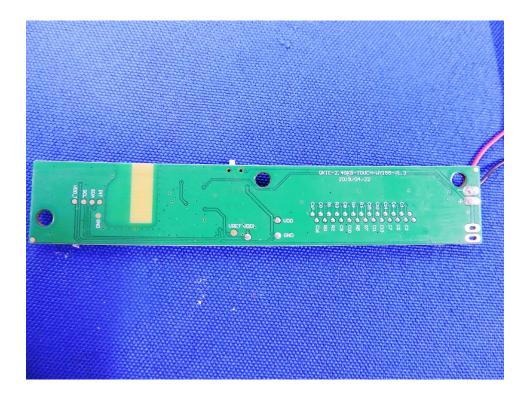
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Inside view-Mouse





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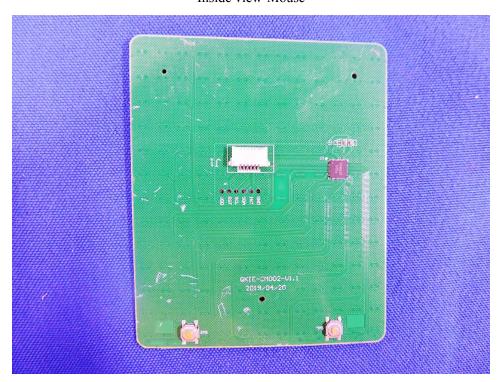
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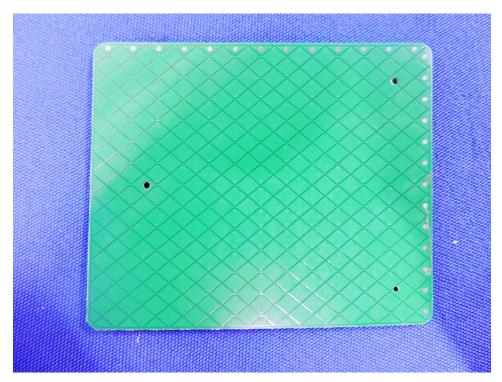
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Inside view-Mouse





-- End of the report--

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