



Report No.: TW2202196E File reference No.: 2022-03-04

Applicant: Shenzhen SQT Electronics Co.,Ltd

Product: RF2.4GHz Auto-Link Keyboard

Model No.: SK-646AG, CANDY XR, SMK-646390AG, SMK-646390

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

Terry Tang

Manager

Dated: March 04, 2022

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.

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: 2022-03-04



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 SQT Electronics Co.,Ltd

Address: ZhengChengFeng TechnologyZone Xinsha Road,ShaYi Village, Sha jing Town, Baoan Area,

Shenzhen, China

Telephone: 0755-27568078 Fax: 0755-27568223

1.3 Description of EUT

Product: RF2.4GHz Auto-Link Keyboard

Manufacturer: Shenzhen SQT Electronics Co.,Ltd

Address: ZhengChengFeng TechnologyZone Xinsha Road,ShaYi Village, Sha jing

Town, Baoan Area, Shenzhen, China

Trademark: N/A

Model Number: SK-646AG

Additional Model Name CANDY XR, SMK-646390AG, SMK-646390

Rating: DC3.0V, 8mA

Battery 2pc 1.5V AAA Battery

Modulation Type: GFSK

Operation Frequency: 2408-2474MHz

Channel Number: 34 Channel Separation: 2MHz

Hardware Version: MA1386J-3

Software Version: MA1386J-3_K+M_V01test15_5.HEX CS:0xA6D4

Serial No.: SMK646390210900075

Antenna Designation PCB antenna with gain -0.61dBi Max (Declared by the Manufacturer)

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1.4 Submitted Sample: 1 pc

1.5 Test Duration

2022-02-28 to 2022-03-04

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

The sample tested by

Print Name: Andy Xing

Andy -xing

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2.0 Test Equipment					
Instrument Type	Manufacturer	Model	Serial No.	Date of Cal.	Due Date
ESPI Test Receiver	R&S	ESPI 3	100379	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	-	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	2022-01-05	2023-01-04

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 EUT 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	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	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

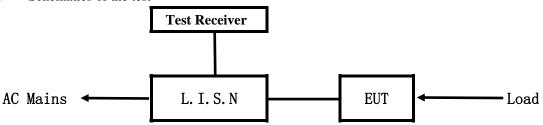
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

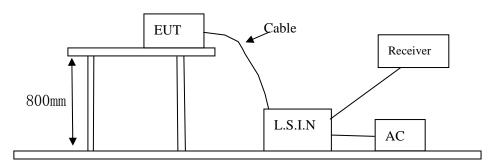


EUT: Equipment Under Test

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 500hm/50uH as specified by section 5.1 of ANSI C63.4 -2014.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of the EUT

The EUT was configured according to ANSI C63.4-2014. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

A. EUT

Device	Manufacturer	Model	FCC ID
RF2.4GHz Auto-Link	Shenzhen SQT	SK-646AG, CANDY XR,	WOX-SK-646AG
Keyboard	Electronics Co.,Ltd		

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B. Internal Device

Device	Manufacturer	Model	FCC ID/DOC
N/A			

C. Peripherals

Device	Manufacturer Model Rating		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 ~ 0.50	66.0~56.0*	56.0~46.0*	
$0.50 \sim 5.00$	56.0	46.0	
5.00 ~ 0.00	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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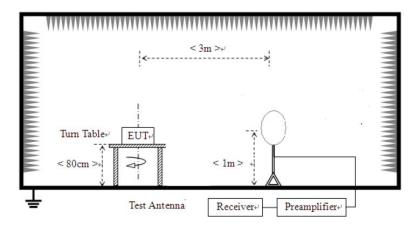


6 Radiated Emission Test

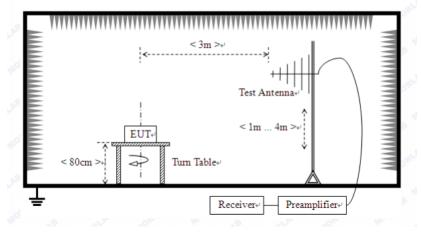
- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size 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



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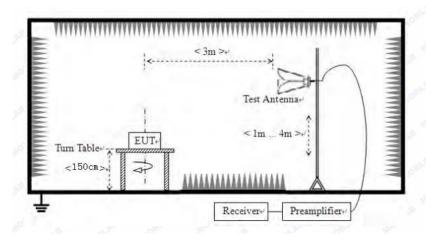
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For radiated emissions above 1GHz



- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition
 Same as section 5.4 of this report.
- 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 S	trength of Harmo	onics (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 $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 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.

1	1	3 1
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 $(dBuV) = 20 \log RF \text{ Voltage } (uV)$
- 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. 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.
- 7. New battery was used during tests.

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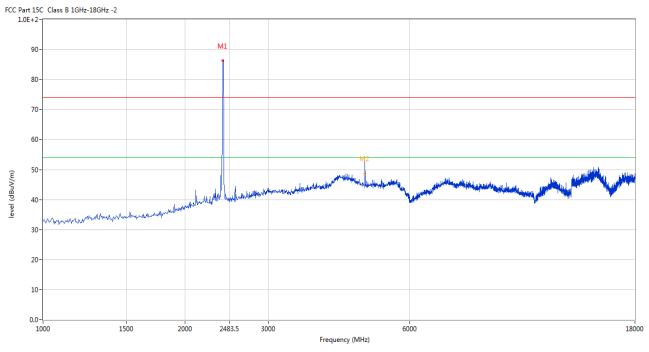


6.5 Test result

A Fundamental & Harmonics Radiated Emission Data

Please refer to the following test plots for details: Low Channel-2408MHz

Horizontal



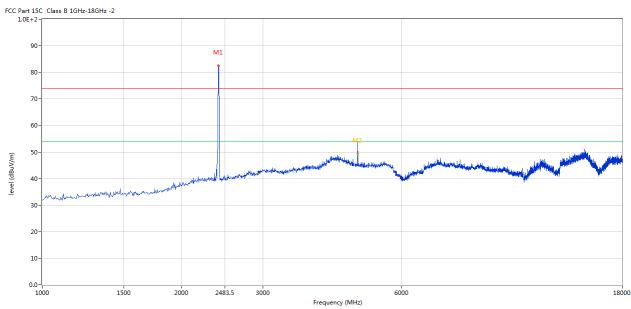
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2407.798	86.29	-3.57	114.0	-27.71	Peak	67.00	100	Horizontal	Pass
2	4815.546	53.89	3.14	74.0	-20.11	Peak	349.00	100	Horizontal	Pass
2**	4815.546	48.65	3.14	54.0	-5.35	AV	349.00	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	2407.798	82.48	-3.57	114.0	-31.52	Peak	100.00	100	Vertical	Pass
2	4815.546	54.33	3.14	74.0	-19.67	Peak	110.00	100	Vertical	Pass
2**	4815.546	49.31	3.14	54.0	-4.69	AV	110.00	100	Vertical	Pass

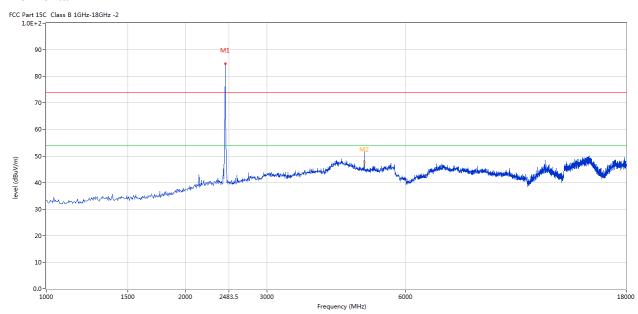
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Please refer to the following test plots for details: Middle Channel-2440MHz

Horizontal



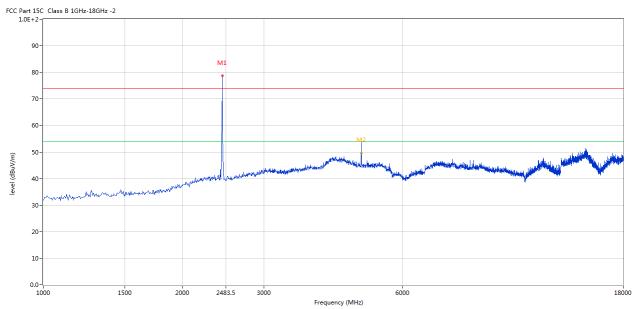
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2440.390	84.80	-3.57	114.0	-29.20	Peak	59.00	100	Horizontal	Pass
2	4879.280	52.08	3.20	74.0	-21.92	Peak	285.00	100	Horizontal	Pass
2**	4879.280	47.57	3.20	54.0	-6.43	AV	285.00	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	2440.390	78.66	-3.57	114.0	-35.34	Peak	113.00	100	Vertical	Pass
2	4879.280	55.08	3.20	74.0	-18.92	Peak	107.00	100	Vertical	Pass
2**	4879.280	49.54	3.20	54.0	-4.46	AV	107.00	100	Vertical	Pass

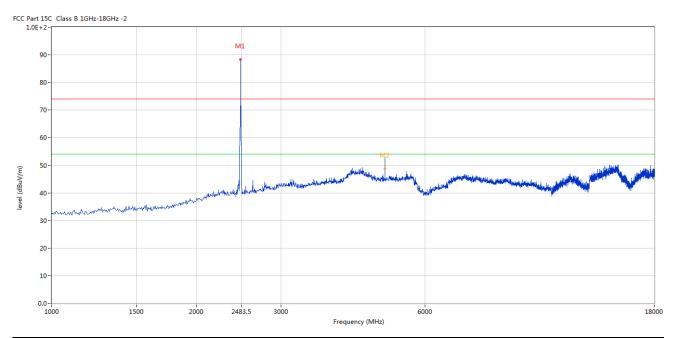
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Please refer to the following test plots for details: High Channel-2474MHz

Horizontal



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	2474.381	88.52	-3.57	114.0	-25.48	Peak	49.00	100	Horizontal	Pass
2	4947.263	52.84	3.33	74.0	-21.16	Peak	17.00	100	Horizontal	Pass
2**	4947.263	48.70	3.33	54.0	-5.30	AV	17.00	100	Horizontal	Pass

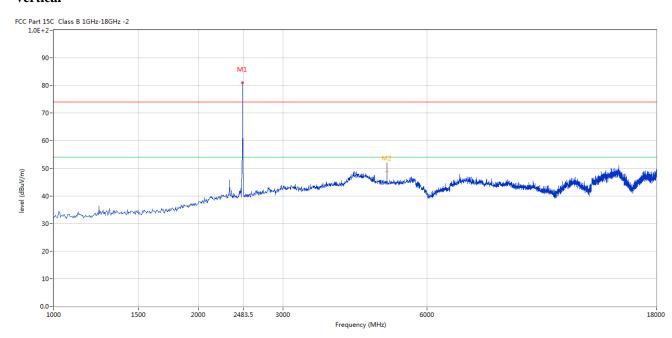
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Vertical



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
1	2474.381	81.11	-3.57	114.0	-32.89	Peak	251.00	100	Vertical	Pass
2	4947.263	51.92	3.33	74.0	-22.08	Peak	241.00	100	Vertical	Pass
2**	4947.263	48.71	3.33	54.0	-5.29	AV	241.00	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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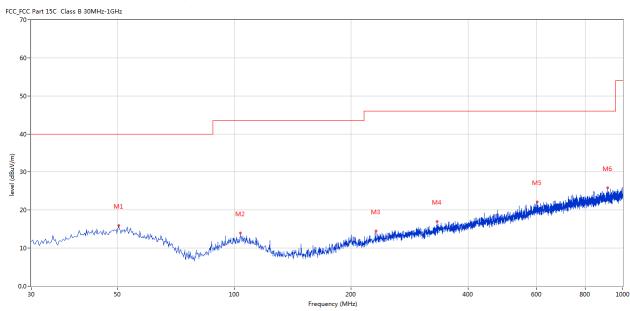


B. General Radiated Emission Data Radiated Emission In Horizontal (30MHz----1000MHz)

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	50.365	15.97	-11.39	40.0	-24.03	Peak	174.00	100	Horizontal	Pass
2	103.702	14.01	-13.35	43.5	-29.49	Peak	328.00	100	Horizontal	Pass
3	231.467	14.55	-12.60	46.0	-31.45	Peak	54.00	100	Horizontal	Pass
4	332.807	16.99	-10.08	46.0	-29.01	Peak	52.00	100	Horizontal	Pass
5	602.884	22.10	-5.08	46.0	-23.90	Peak	239.00	100	Horizontal	Pass
6	916.116	25.89	-1.81	46.0	-20.11	Peak	120.00	100	Horizontal	Pass

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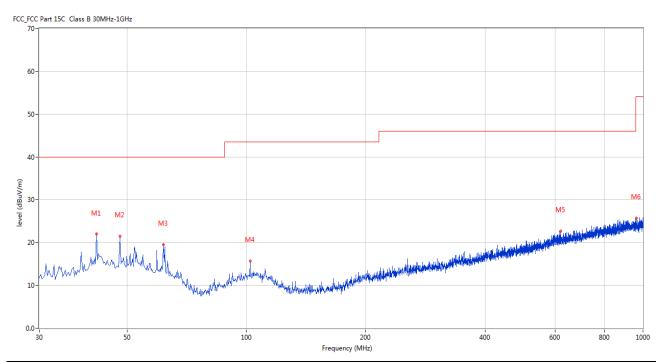


Radiated Emission In Vertical (30MHz----1000MHz)

EUT set Condition: Keep Tx transmitting

Results: Pass

Please refer to following diagram for individual



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
1	41.880	21.96	-11.72	40.0	-18.04	Peak	185.00	100	Vertical	Pass
2	47.941	21.49	-11.30	40.0	-18.51	Peak	89.00	100	Vertical	Pass
3	61.760	19.57	-13.22	40.0	-20.43	Peak	91.00	100	Vertical	Pass
4	102.004	15.64	-13.42	43.5	-27.86	Peak	185.00	100	Vertical	Pass
5	619.370	22.66	-4.84	46.0	-23.34	Peak	118.00	200	Vertical	Pass
6	960.967	25.76	-1.62	54.0	-28.24	Peak	58.00	200	Vertical	Pass

Date: 2022-03-04

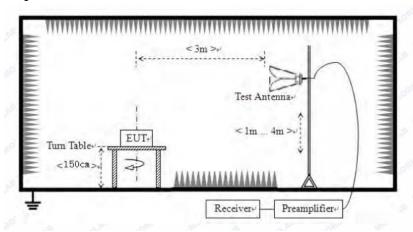


7. Band Edge

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.

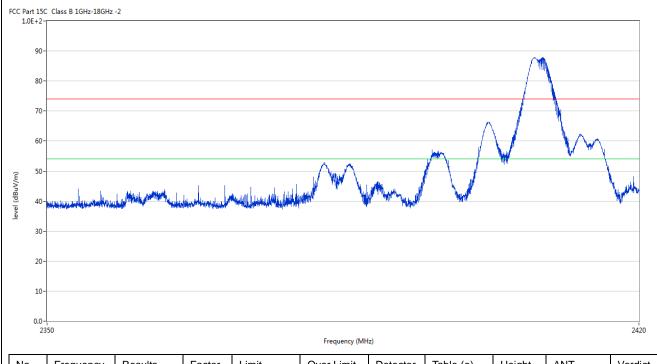
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7.6 Test Result

Product:	RF2.4GHz Auto-Link Keyboard	Polarity	Horizontal
Mode	Keeping Transmitting	Test Voltage	DC3.0V
Temperature	24 deg. C,	Humidity	56% RH
Test Result:	Pass		



No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table (o)	Height	ANT	Verdict
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)			(cm)		
2	2389.963	45.20	-3.53	74.0	-28.80	Peak	79.00	100	Horizontal	Pass
3	2400.070	40.92	-3.57	74.0	-33.08	Peak	19.00	100	Horizontal	Pass

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]	Product:	RF2.4GF	Iz Auto-Li	nk Keyboard	l De	etector		Vert	ical	
	Mode	Kee	ping Trans	smitting	Test	Voltage		DC3	.0V	
Te	mperature		24 deg. (C,	Hu	midity		56%	RH	
Te	est Result:		Pass						-	
CC Part 1 1.0E+	5C Class B 1GHz-18GHz -2 2-									
9								~		
8	0-									
7	0-							\uparrow		
6	0-						$ \wedge $	$f \rightarrow$		
<u>5</u>	0-					A STATE OF THE STA	/ \w			
(m/vudb) level		Les Aprophisques of the Military was a following	والمراجع والمتابع والمام والمعاور	and a second second		<u> </u>	1			Julius.
3	0-									
2	0-									
1	0-									
0.										
0.	2350			Free	quency (MHz)					2420
No.	Frequency	Results	Factor	Limit	Over Limit	Detector	Table	Height	ANT	Verdi
	(MHz)	(dBuV/m)	(dB)	(dBuV/m)	(dB)		(o)	(cm)		
2	2399.980	40.19	-3.56	74.0	-33.81	Peak	101.00	100	Vertical	Pass
3	2389.995	39.77	-3.53	74.0	-34.23	Peak	116.00	100	Vertical	Pass

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Pro	oduct:	RF2	.4GHz A	uto-Link Ke	eyboard	Pol	larity]	Horizontal	
M	Iode		Keeping	Transmittii	ng	Test `	Voltage		DC3.0V	
Temp	perature		24	deg. C,		Hur	nidity		56% RH	
Test	Result:			Pass						
90- 80-	Class B 1GHz-18GHz	2								
	.P			N						
30-	What was a second				The grand which the state of th	Acceptable Comment	al the same and the beautiful beauti	handari haritusa yi yaasaa waqiqilari	استخاب المتحالية	Pajet /www.i.i.
(dBuV/m) 40-	o o				2483.5		And the second section of the second	ina haife haife son the guestian armost fission	dhead de charil and	2500
30		Results	Factor	Limit	Frequency (Mh	1	Table (a)	Height	ANT	ı
30- 20- 10- 2470	o Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)		tz) Detector	Table (o)	Height (cm)	ANT	2500

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Date: 2022-03-04



I	Product:	RF2.4GHz Auto-Link Keyboard				Detector			Vertical	
	Mode		Keeping Transmitting			Test V	Voltage	oltage DC3.0V		
Te	mperature		24 deg. C,			Hun	nidity	56% RH		
Te	est Result:		Pass							
CC Part 1	5C Class B 1GHz-18GHz - 2-r	2								
91 81 71	0-									
6 ((a) (A) (a) (b) (a) (b) (a) (a) (a) (a) (a) (a) (a) (a) (a) (a	0-				interior and a feel of the feel of	ali di karanda pandanan	no kalendra de cultora est	d Joseph speeds (1997)	marke dipo de differenți din citatale	
50 GBra(\mu) 30 31 32 32 33 34 34 34 34 34	0-			2483.5	quency (MHz)	lekishiren sebiyan keranti	na felometri en de militar pa	المعارض المعار	aankenimen viiden valda k	2500
Sevel (qBnn/m) Seve	0-	Results	Factor	2483.5		Detector	Table	Height	ANT	
See (GBn(/\mu)) See (GBn(/\mu)) See	0-	Results (dBuV/m)	Factor (dB)	2483.5 Fre	quency (MHz)		Table			2500

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

2. 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.

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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 -0.61dBi Max. It fulfills the requirement of this section. Test Result: Pass

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Product:	RF2.4GHz Auto-Link Keyboard				Test Mode:		Keep transmitting			
Mode	Keeping Transmitting				Test Voltage					
Temperature	24 deg. C, Pass				Humidity Detector		56% RH PK			
Test Result:										
dB Bandwidth	1.703MHz									
>	Marker 1 [T1 ndB]			RI	BW 100 kHz		Hz Rl	z RF Att 20 di		3
Ref Lvl	ndB	20.	00 dB	VI	ЗW	300 k	Hz			
10 dBm	BW	1.703406	81 MHz	SV	VΤ	5 m	s Ui	nit	dBm	ı
10						v ₁	[T1]	- 4	.58 dBm	I
								2.40752	405 GHz	
0			1			ndB		20	.00 dB	
		ſ	Λ		ſ	$egin{array}{ccc} {\sf BW} \\ {f igstar} {f igstar}_{{ m T1}} \end{array}$	[T1]	1.70340	681 MHz	
-10		<i>f</i>	\. W	-M ₁₁ , , M	M			2.40717	335 GHz	
		, , , , , , , , , , , , , , , , , , ,				$\bigvee_{\mathbf{T}_{2}}$	[T1]	-24	.99 dBm	
-20		West				Trest	1	2.40887	675 GHz	
1MAX	<i>Y</i>	₩.				₩'	M			11
-30	, June						W)	1	hd 11	
-40	My N						<u></u>	I WIN	TU I	
	70							I V	7.00	
-50										
-60										
-70										
-80										
-90										
Center 2.4	08 GHz		500	kHz/				Spa	ın 5 MHz	

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Product:	RF2.4GHz Auto-Link Keyboard	Test Mode:	Keep transmitting		
Mode	Keeping Transmitting	Test Voltage	DC3.0V		
Temperature	24 deg. C,	Humidity	56% RH		
Test Result:	Pass	Detector	PK		
20dB Bandwidth	1.934MHz				
Ref Lvl	Marker 1 [T1 ndB] ndB 20.00 dB	RBW 100 kHz VBW 300 kHz			
10 dBm	BW 1.93386774 MHz	SWT 5 ms	Unit dBm		
-10 -20 -10 -20 -40 -50 -60 -70		ndB BW VT;	T1] -4.04 dBm 2.43953407 GHz 20.00 dB 1.93386774 MHz -23.64 dBm 2.43895291 GHz -24.23 dBm 2.44088677 GHz 1MA		
-90 Center 2	.44 GHz 500	kHz/	Span 5 MHz		
Date: 4.	MAR.2022 11:54:51				

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Product:	RF2.4GHz Auto-Li	nk Keyboard	Test Mode:	Keep transmitting		
Mode	Keeping Trans	smitting	Test Voltage	DC3.0V		
Temperature	24 deg.	C,	Humidity	56% RH		
Test Result:	Pass		Detector	PK		
20dB Bandwidth	1.613MI	Hz				
Ŕ	Marker 1 [T	l ndB] I	RBW 100 kHz	z RF Att 20 dB		
Ref Lvl			/BW 300 kHz			
10 dBm	BW 1.613	22645 MHz S	SWT 5 ms	Unit	dBm	
10			▼ 1 [r1] -3	.41 dBm	
0				2.47351	403 GHz	
		X,	ndB	20	.00 dB	
1.0		/ ^\	BW ▼ _{T1}	1.61322 [T1] -24	645 MHz	
-10		y wy	W / 1	2.47322	345 GHz	
		in Min Min		[T1] -23	.59 dBm	
-20	L M Tril		₩	2.47483	667 GHz 1MA	
			0, 1	1.1		
-30	No.			Una l		
المرابيل	While I			الاستمام المالين	M.	
-40				<u> </u>	Walah W	
W.	Y				W	
-50						
-60						
-70						
-80						
-90	47.4 CII-	F00 17-	,		F MII	
	.474 GHz	500 kHz/		Spa	n 5 MHz	
Date: 4	.MAR.2022 12:00:49)				

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10.0 FCC ID Label

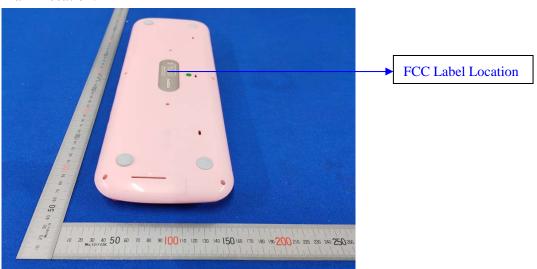
FCC ID: WOX-SK-646AG

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: 2022-03-04



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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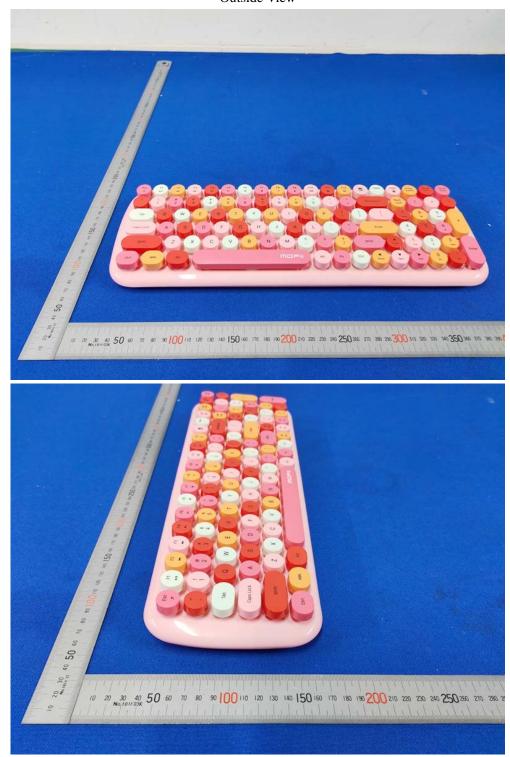
adopt any other remedies which may be appropriate.

Date: 2022-03-04



11.2 Photographs – EUT

Outside View



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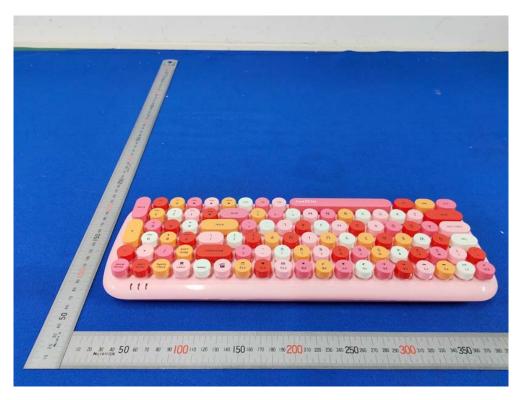
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Photographs - EUT

Outside View





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Outside View



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Outside View



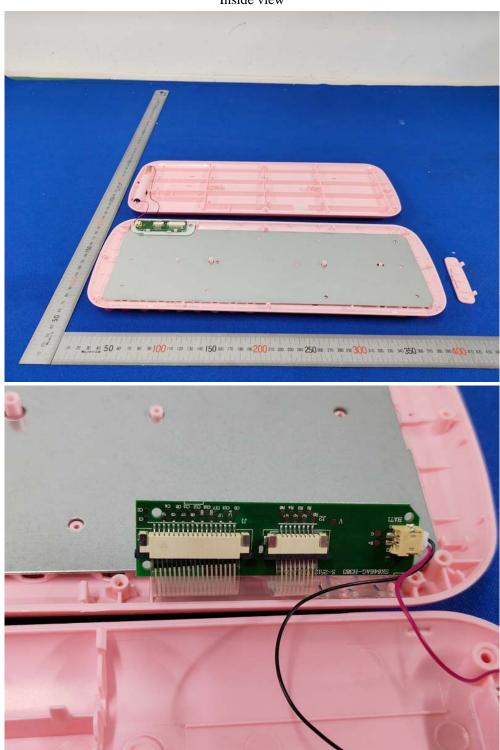
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Inside view



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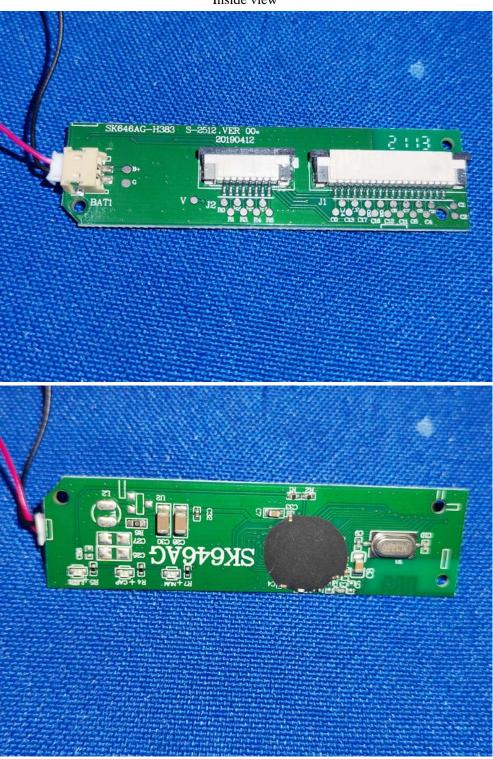
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Inside view



-- End of the report--

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