FCC TEST REPORT

for

Shenzhen Paoluy Silicone Technology Co., Ltd.

Wireless Silicone Keyboard (only for RF part) Model No.: BL-84, BL-107A, BL-107B, BL-W91TP, BL-BT91TP

Prepared for : Shenzhen Paoluy Silicone Technology Co., Ltd.

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Prepared By : Anbotek Compliance Laboratory Limited

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Report Number : 201003688F

Date of Test : Mar. 12~21, 2010

Date of Report : Mar. 22, 2010

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APPENDIX I (Photos of EUT) (3 Pages)

TEST REPORT

Applicant : Shenzhen Paoluy Silicone Technology Co., Ltd.

Manufacturer : Shenzhen Paoluy Silicone Technology Co., Ltd.

EUT : Wireless Silicone Keyboard

Model No. : BL-84, BL-107A, BL-107B, BL-W91TP, BL-BT91TP

Serial No. : N/A

Rating : DC 3V via AAA Battery

Trade Mark : N/A

Measurement Procedure Used:

FCC Part15 Subpart C, Paragraph 15.249 & 15.209

The device described above is tested by Anbotek Compliance Laboratory Limited to determine the maximum emission levels emanating from the device and the severe levels of the device can endure and its performance criterion. The measurement results are contained in this test report and Anbotek Compliance Laboratory Limited is assumed full of responsibility for the accuracy and completeness of these measurements. Also, this report shows that the EUT (Equipment Under Test) is technically compliant with the FCC Part 15 Subpart C requirements.

This report applies to above tested sample only and shall not be reproduced in part without written approval of Anbotek Compliance Laboratory Limited

Date of Test:	Mar. 12~21, 2010
Prepared by:	Jacky
	(Engineer)
Reviewer :	Coco
	(Project Manager)
Approved & Authorized Signer:	Diti
	(Manager)

1. GENERAL INFORMATION

1.1. Description of Device (EUT)

EUT : Wireless Silicone Keyboard

Model Number : BL-84, BL-107A, BL-107B, BL-W91TP, BL-BT91TP

(Note: The above samples are same except the model number & Shape of appliances, so we prepare "BL-107A" for Radio test

only.)

Test Power Supply: DC 3V via AAA Battery

Frequency: 2403~2479MHz

Antenna Gain : 0dBi

Applicant : Shenzhen Paoluy Silicone Technology Co., Ltd.

Address : No.31, furong road, gushu village, xixiang town, bao'an district,

shenzhen

Manufacturer : Shenzhen Paoluy Silicone Technology Co., Ltd.

Address : No.31, furong road, gushu village, xixiang town, bao'an district,

shenzhen

Date of receiver : Mar. 11, 2010 Date of Test : Mar. 22, 2010

1.2. Description of Test Facility

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

CNAS - LAB Code: L3503

Anbotek Compliance Laboratory Limited., Laboratory has been assessed and in compliance with CNAS/CL01: 2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

FCC-Registration No.: 607248

Anbotek Compliance Laboratory Limited, EMC Laboratory has been registed 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 607248, November 12, 2008.

IC-Registration No.: 8058A

Anbotek Compliance Laboratory Limited., EMC Laboratory has been registered and fully described in a report filed with the (IC) Industry Canada. The acceptance letter from the IC is maintained in our files. Registration 8058A, November 12, 2008.

Test Location

All Emissions tests were performed at

Anbotek Compliance Laboratory Limited. at 2/F, Langfeng Building, Kefa Road North, Hi-tech Industrial Park, Nanshan District, Shenzhen 518057, China

1.3. Measurement Uncertainty

Radiation Uncertainty : $Ur = \pm 4.26dB$

Conduction Uncertainty : $Uc = \pm 2.66dB$

2. MEASURING DEVICE AND TEST EQUIPMENT

2. MEASORING DEVICE AND TEST EQUILIENT										
Equipment	Manufacturer	Model #	Serial #	Data of Cal.	Due Data					
EMI Test Receiver	Rohde & Schwarz	ESCI	100119	Mar.03, 2010	Mar.02, 2011					
EMI Test Receiver	Rohde & Schwarz	ESPI	1101604	Jun.21, 2009	Jun.20, 2010					
EMI Test Receiver	Rohde & Schwarz	ESIB26	100249	Sep.22, 2009	Sep.21, 2010					
EMI Test Software	SHURPLE	ESK1	N/A	N/A	N/A					
Spectrum Analyzer	Agilent	E7405A	MY45114970	Jun.21, 2009	Jun.20, 2010					
Signal Generator	Rohde & Schwarz	SMR27	100124	Jul.06, 2008	Jul.25, 2010					
Signal Generator	Rohde & Schwarz	SML03	102319	Aug.01, 2008	Aug.01, 2010					
AC Power Source	Sepcial power system	YF650	N/A	N/A	N/A					
Absorbing Clamp	Rohde & Schwarz	MDS21	100218	Apr.30, 2008	Apr.29, 2010					
Power Meter	Rohde & Schwarz	NRVD	101287	Jul.19, 2009	Jul.18, 2011					
Coaxial Cable	N/A	N/A	N/A	May.31, 2009	May.30, 2010					
Coaxial Cable	N/A	N/A	N/A	May.31, 2009	May.30, 2010					
Coaxial Cable	N/A	N/A	N/A	May.31, 2009	May.30, 2010					
Universal radio Communication tester	Rohde & Schwarz	CMU200	101724	Sep.08, 2009	Sep.07, 2011					
Pulse Limiter	Rohde & Schwarz	ESH3-Z2	N/A	N/A	N/A					
BiConilog Antenna	ETS-LINDGREN	3142C	00042670	Mar.03, 2010	Mar.02, 2011					
BiConilog Antenna	ETS-LINDGREN	3142C	00042673	Mar.03, 2010	Mar.02, 2011					
Double-ridged Waveguide horn	ETS-LINDGREN	3117	00035926	Dec.30, 2009	Dec.29, 2011					
Double-ridged Waveguide horn	ETS-LINDGREN	3117	00041545	Dec.30, 2009	Dec.29, 2011					
Pre-amplifier	CD	PAM0203	804203	Jun.21, 2009	Jun.20, 2010					
RF Switch	CD	RSU-M3	706543	Jun.21, 2009	Jun.20, 2010					
Thermo-/Hygrometer	N/A	TH01	N/A	May.03, 2010	Mar.03, 2011					
Shielding Room	Zhong Yu Electronic	N/A	N/A	N/A	N/A					
3m Semi-Anechoic Chamber	Zhong Yu Electronic	N/A	N/A	Apr.28, 2008	Apr.27, 2010					

3. Test Procedure

GENERAL: This report shall NOT be reproduced except in full without the written approval of Anbotek Compliance Laboratory Limited. The EUT was transmitting a test signal during the testing.

RADIATION INTERFERENCE: The test procedure used was ANSI STANDARD C63.4-2003 using a spectrum analyzer with a pre-selector. The analyzer was calibrated in dB above a microvolt at the output of the antenna. The resolution bandwidth was 100KHz and the video bandwidth was 300KHz up to 1.0GHz and 1.0MHz with a video BW of 3.0MHz above 1.0GHz. The ambient temperature of the EUT was 74.3oF with a humidity of 69%.

FORMULA OF CONVERSION FACTORS: The Field Strength at 3m was established by adding the meter reading of the spectrum analyzer (which is set to read in units of dBuV) to the antenna correction factor supplied by the antenna manufacturer. The antenna correction factors are stated in terms of dB. The gain of the Preselector was accounted for in the Spectrum Analyzer Meter Reading.

Example:

Freq (MHz) METER READING + ACF = FS 33 20 dBuV + 10.36 dB = 30.36 dBuV/m @ 3m

ANSI STANDARD C63.4-2003 10.1.7 MEASUREMENT PROCEDURES: The EUT was placed on a table 80 cm high and with dimensions of 1m by 1.5m. The EUT was placed in the center of the table (1.5m side). The table used for radiated measurements is capable of continuous rotation. When an emission was found, the table was rotated to produce the maximum signal strength. At this point, the antenna was raised and lowered from 1m to 4m. The antenna was placed in both the horizontal and vertical planes.

4. Radiation Interference

4.1. Requirements (15.249, 15.209):

FIELD STRENGTH	FIELD STRENGTH	S15.209	
of Fundamental:	of Harmonics	30 - 88 MHz	40 dBuV/m @3M
902-928 MHZ		88 - 216 MHz	43.5
2.4-2.4835 GHz		216 - 960 MHz	46
94 dBµV/m @3m	54 dBµV/m @3m	ABOVE 960 MHz	54dBuV/m

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 15.209, whichever is the lesser attenuation.

4.2 Test Procedure

The EUT is placed on a turn table which is 0.8 meter high above the ground. The turn table can rotate 360 degrees to determine the position of the maximum emission level. The EUT is set 3 meters away from the receiving antenna which is mounted on a antenna tower. The antenna can be moved up and down from 1 to 4 meters to find out the maximum emission level. Both horizontal and vertical polarization of the antenna are set on test.

All readings from 30MHz to 1GHz are quasi-peak values with a resolution bandwidth of 120kHz. All reading are above 1GHz, peak & average values with a resolution bandwidth of 1MHz. The EUT is tested in 9*6*6 Chamber.

The test results are listed in Section 4.3.

4.3 Test Results

PASS.

Please refer the following pages.

Data:

Horizontal CH Low(2403MHz)

Frequency MHz	Cable Loss dB	Ant Factor dB/m	Preamp Factor dB	Read Level dBµV	Level dBµV/m	Limit dBµV/m	Over Limit dB	Remark
191.75	1.25	10.56	41.25	60.95	31.51	43.50	-11.99	QP
216.02	1.32	11.10	41.26	59.38	30.54	46.00	-15.46	QP
2403.02	3.11	31.24	35.30	66.95	66.00	94.0	-28.00	Peak
4806.10	3.11	31.62	34.71	32.23	32.25	54.0	-21.75	Peak
7208.91	3.12	32.15	35.15	31.00	31.12	54.0	-22.88	Peak
9612.03	3.12	35.30	35.02	30.40	33.80	54.0	-20.20	Peak
12015.85	3.13	36.38	34.78	26.52	31.23	54.0	-22.77	Peak
14418.43	3.14	37.84	34.51	24.20	30.67	54.0	-23.33	Peak
16820.72	3.14	38.64	34.36	19.81	27.23	54.0	-26.77	Peak
19223.90	3.15	38.97	34.04	13.60	21.68	54.0	-32.32	Peak
21627.11	3.15	39.32	33.81	14.36	23.01	54.0	-30.99	Peak
24039.36	3.16	40.01	33.59	14.11	23.69	54.0	-30.31	Peak

CH Middle(2441MHz)

0111100	-10(11:)						
Frequency	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
MHz	dB	dB/m	dB	dBμV	$dB\mu V/m$	$dB\mu V/m$	dB	
191.74	1.25	10.56	41.25	60.30	32.86	43.50	-10.64	QP
239.99	1.35	12.09	41.30	58.27	30.41	46.00	-15.59	QP
2441.95	3.11	31.25	35.90	66.74	65.20	94.0	-28.80	Peak
4882.06	3.11	31.61	34.73	33.71	33.70	54.0	-20.30	Peak
7323.20	3.12	32.16	35.17	32.39	32.50	54.0	-21.50	Peak
9763.70	3.12	35.31	35.00	30.92	34.35	54.0	-19.65	Peak
12205.16	3.13	36.40	34.79	28.66	33.40	54.0	-20.60	Peak
14646.42	3.14	37.85	34.50	26.21	32.70	54.0	-21.30	Peak
17087.09	3.14	38.60	34.35	20.80	28.19	54.0	-25.81	Peak
19528.20	3.15	38.98	34.04	17.54	25.63	54.0	-28.37	Peak
21969.01	3.15	39.32	33.81	15.20	23.86	54.0	-30.14	Peak
24410.13	3.16	40.01	33.62	15.10	24.65	54.0	-29.35	Peak

CH High(2479MHz)								
Frequency	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
MHz	dB	dB/m	dB	dBμV	$dB\mu V/m$	$dB\mu V/m$	dB	
216.03	1.32	11.10	41.26	59.45	30.61	46.00	-15.39	QP
263.82	1.37	12.09	41.32	55.92	28.06	46.00	-17.94	QP
2479.03	3.11	31.32	36.00	65.37	63.80	94.0	-30.02	Peak
4958.15	3.11	31.63	34.80	33.10	33.04	54.0	-20.96	Peak
7437.21	3.12	32.16	35.20	32.80	32.88	54.0	-21.12	Peak
9915.94	3.12	35.31	34.98	29.95	33.40	54.0	-20.06	Peak
12395.27	3.13	36.40	34.79	30.04	34.78	54.0	-19.22	Peak
14874.50	3.14	37.88	34.50	29.32	35.84	54.0	-18.16	Peak
17353.10	3.15	38.60	34.35	21.20	28.60	54.0	-25.40	Peak
19831.86	3.15	39.00	34.04	18.06	26.17	54.0	-27.83	Peak
22310.83	3.16	39.40	33.76	16.03	25.73	54.0	-28.27	Peak
24790.17	3.17	40.12	33.60	15.25	24.94	54.0	-29.06	Peak

Vertical	(2402 M H)	-)						
Frequency MHz	(2403MHz Cable Loss dB	Ant Factor dB/m	Preamp Factor dB	Read Level dBµV	Level dBµV/m	Limit dBµV/m	Over Limit dB	Remark
191.74	1.25	10.56	41.25	56.67	27.23	43.50	-16.27	QP
216.02	1.32	11.10	41.26	52.06	23.22	46.00	-22.78	QP
2403.02	3.11	31.24	36.00	68.05	66.40	94.0	-27.60	Peak
4806.10	3.11	31.60	34.70	35.20	35.21	54.0	-18.79	Peak
7208.91	3.12	32.16	35.17	32.82	32.93	54.0	-21.07	Peak
9612.03	3.12	35.31	35.01	30.90	34.32	54.0	-19.68	Peak
12015.85	3.13	36.40	34.79	24.65	29.39	54.0	-24.61	Peak
14418.43	3.14	37.84	34.52	21.52	27.98	54.0	-26.22	Peak
16820.72	3.14	38.65	34.37	19.66	27.08	54.0	-26.02	Peak
19223.90	3.15	38.98	34.04	18.35	26.44	54.0	-27.56	Peak
21627.11	3.15	39.32	33.81	17.30	25.96	54.0	-28.04	Peak
24039.36	3.16	40.02	33.58	16.60	26.20	54.0	-27.80	Peak

CH Middle(2441MHz)								
Frequency	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
MHz	dB	dB/m	dB	dΒμV	$dB\mu V/m$	$dB\mu V/m$	dB	
191.74	1.25	10.56	41.25	55.27	25.83	43.50	-17.67	QP
239.99	1.35	12.09	41.30	49.15	21.29	46.00	-24.71	QP
2441.95	3.11	31.25	35.90	66.26	64.72	94.0	-29.28	Peak
4882.06	3.11	31.61	34.72	35.52	35.52	54.0	-18.48	Peak
7323.20	3.12	32.16	35.17	31.90	32.01	54.0	-21.99	Peak
9763.70	3.12	35.31	35.00	34.85	38.28	54.0	-15.72	Peak
12205.16	3.13	36.40	34.79	28.40	33.14	54.0	-20.86	Peak
14646.42	3.14	37.85	34.50	23.21	29.70	54.0	-24.30	Peak
17087.09	3.14	38.60	34.35	20.86	28.25	54.0	-25.75	Peak
19528.20	3.15	38.98	34.04	18.30	26.39	54.0	-27.61	Peak
21969.01	3.15	39.32	33.81	16.72	25.38	54.0	-28.62	Peak
24410.13	3.16	40.01	33.62	14.95	24.50	54.0	-29.50	Peak

CH High	(2479MHz	2)						
Frequency	Cable Loss	Ant Factor	Preamp Factor	Read Level	Level	Limit	Over Limit	Remark
MHz	dB	dB/m	dB	dΒμV	$dB\mu V/m$	$dB\mu V/m$	dB	
39.44	0.5	13.58	40.36	44.60	18.32	40.00	-21.68	QP
191.74	1.25	10.56	41.25	53.65	24.21	43.50	-19.29	QP
2479.03	3.11	31.32	36.00	63.77	62.20	94.0	-31.80	Peak
4958.15	3.11	31.63	34.80	35.23	35.17	54.0	-18.83	Peak
7437.21	3.12	32.16	35.20	35.11	35.21	54.0	-18.79	Peak
9915.94	3.12	35.31	34.98	29.52	32.97	54.0	-21.03	Peak
12395.27	3.13	36.40	34.79	28.85	33.59	54.0	-20.41	Peak
14874.50	3.14	37.88	34.50	25.15	31.67	54.0	-21.33	Peak
17353.10	3.15	38.60	34.35	21.55	28.95	54.0	-25.05	Peak
19831.86	3.15	39.00	34.04	18.20	26.31	54.0	-27.69	Peak
22310.83	3.16	39.40	33.76	16.82	25.62	54.0	-28.38	Peak
24790.17	3.17	40.12	33.60	14.67	24.36	54.0	-29.64	Peak

Emissions attenuated more than 20 dB below the permissible value are not reported.

5. Occupied Bandwidth

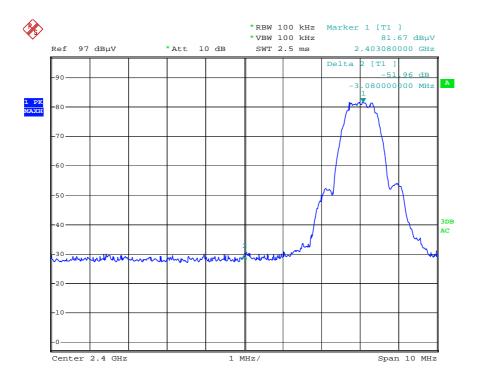
5.1. Requirements (15.249):

The field strength of any emissions appearing outside the band edges and up to 10 kHz above and below the band edges shall be attenuated at least 50 dB below the level of the carrier or to the general limits of 15.249.

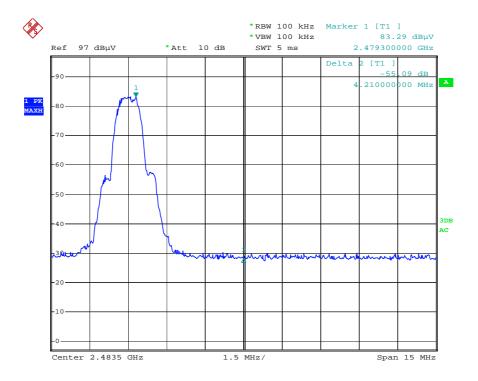
5.2 Test Results

Pass.

Please refer the following plot.



Date: 15.MAR.2010 09:54:19



Date: 15.MAR.2010 09:57:17