

FCC TEST REPORT

For

Shenzhen SQT Electronics Co., Ltd.

2.4GHz Wireless Keyboard

Model No.: SK-626AG, SK-621AG, SK-641AG, SK-642AG, SK-643AG, SK-645AG

Prepared For : Shenzhen SQT Electronics Co., Ltd.

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Date of Test : Sept. 11~25, 2018

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TEST REPORT

Applicant : Shenzhen SQT Electronics Co., Ltd.

Manufacturer : Shenzhen SQT Electronics Co., Ltd.

Product Name : 2.4GHz Wireless Keyboard

Model No. : SK-626AG, SK-621AG, SK-641AG, SK-642AG, SK-643AG, SK-645AG

Trade Mark : N.A.

Rating(s) : Input: DC 3V, 6mA "AA"

Test Standard(s) : FCC Part15 Subpart C, Paragraph 15.249

Test Method(s) : **ANSI C63.10: 2013**

The device described above is tested by Shenzhen 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 Shenzhen 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 Shenzhen Anbotek Compliance Laboratory Limited.

Date of Test	Anboten Anbo	Sept. 11~25, 2018	
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Prepared by		10/4 M/10,	Aupo A.
VIFICE		Engineer / Oliay Yang)	
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Reviewer	potek Anbotek Anb	101 100	nbote And otek
	Anborek Anbor (Su	upervisor / Snowy Meng)	
		Anbotek Anbotek	
	Anbotek Anbountek	Sally Zhoung	
Approved & Authorized Signer		k upotek Anbo	
	hotek Anbo	Manager / Sally Zhang)	hotek Anbotek



1. General Information

1.1. Client Information

Applicant	: Shenzhen SQT El	Electronics Co., Ltd.
Address	VD* -	ng TechnologyZone Xinsha Road, ShaYi Village,Sha jing Town, enzhen, China 518104
Manufacturer	: Shenzhen SQT E	Electronics Co., Ltd.
Address	· oto VIII	ng TechnologyZone Xinsha Road, ShaYi Village,Sha jing Town, enzhen, China 518104
Factory	: Shenzhen SQT E	Electronics Co., Ltd.
Address		ng TechnologyZone Xinsha Road, ShaYi Village,Sha jing Town, enzhen, China 518104

1.2. Description of Device (EUT)

ak now	Dir.	ten apo	h wole with				
Product Name	:	2.4GHz Wireless Keyboard					
Model No.	:	yer and	AG, SK-642AG, SK-643AG, SK-645AG except the model appearance, so we prepare				
Trade Mark	:	N.A.	Anbotek Anbotek Anbo				
Test Power Supply	:	DC 3V battery inside	K Anbotek Anbotek Anbotek A				
Test Sample No.	:	S1(Normal Sample), S2(Engineering Sample)					
		Operation Frequency:	2408-2474MHz				
		Number of Channel:	34 Channels				
Product Description	: Modulation Type: Antenna Type:	Modulation Type:	FSK Anbotek Anbotek Anbotek Ar				
		Antenna Type:	PCB Antenna				
		Antenna Gain(Peak):	0 dBi				

Remark: 1)For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.

1.3. Auxiliary Equipment Used During Test

N/A Anbotek Anbotek Anbotek Anbotek Anbotek	ek Anbors
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1.4. Description of Test Modes

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

	Pretest Mode			Γ	Description	on		
	Mode 1	botek	Anbotek	Aupo of	CH01	nbotek	Anbore	Ans
3/4	Mode 2	Al abotek	Anbotek	Anbo	CH17	Anbotek	Anbore	You.
Jose K	Mode 3	A. nbotel	k Anbote,	K Anb	CH34	Anbotek	Anbore	Pur.

	For Radiated Emission								
	Final Test Mo	ode			Description	on			
	Mode 1	nbotek	Anbole	Ann	CH01	Anbor	A. abotek	Anbo	
Ofer	Mode 2	Anbotek	Anboic	Ams	CH17	Anbo	k vupote	K P	
abote	Mode 3	Anbotek	Anbore	k abotek	CH34	Anbo	otek anb	otek	

Note:

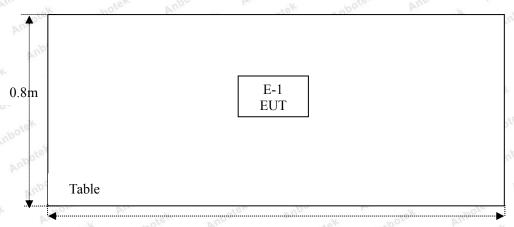
- 1. The engineering test program was provided and the EUT was programmed to be in continuously transmitting mode.
- 2. EUT built-in battery-powered, fully-charged battery use of the test battery.

1.5. List of Channels

Channel	Freq.	Channel	Freq.	Channel	Freq.	Channel	Freq.
	(MHz)		(MHz)		(MHz)		(MHz)
Aupo	2408	10,000	2426	19 note	2444	28	2462
2 Ambo	2410	otek 11 Anbo	2428	20	2446	29	2464
ootek 3 Anl	2412	12 N	2430	21	2448	30	2466
anbote4	2414	13	2432	22	2450	Anb ⁰ 31	2468
nb5.ek	2416	14,04	2434	23	2452	32	2470
6 otek	2418	15 sotek	2436	24	2454	33	2472
ek 7 abote	2420	16	2438	25	2456	14 Mary 34 Mar	2474
8	2422	17 Anno	2440	o ^{tell} 26 Anb	2458	hotek Ar	ooten Ani
9	2424	18 A	2442	27	2460	notek	Anbotek

1.6. Description of Test Setup

RE



1.7. Test Equipment List

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
otek 1. Inbotek	L.I.S.N. Artificial Mains Network	Rohde & Schwarz	ENV216	100055	Nov. 17, 2017	1 Year
2.00	EMI Test Receiver	Rohde & Schwarz	ESCI	100627	Nov. 17, 2017	1 Year
3.	RF Switching Unit	Compliance Direction	RSU-M2	38303	Nov. 17, 2017	1 Year
4.	Spectrum Analysis	Agilent	E4407B	US39390582	Nov. 17, 2017	1 Year
o ^{tek} 5.	MAX Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 18, 2017	1 Year
6.	Preamplifier	SKET Electronic	BK1G18G30D	KD17503	Nov. 17, 2017	1 Year
Anbox 7.	Double Ridged Horn Antenna	Instruments corporation	GTH-0118	351600	Nov. 20, 2017	1 Year
8.	Bilog Broadband Antenna	Schwarzbeck	VULB9163	VULB 9163-289	Nov. 20, 2017	1 Year
9.	Loop Antenna	Schwarzbeck	HFH2-Z2	100047	Nov. 17, 2017	1 Year
10.	Horn Antenna	Schewarzbeck	BBHA9170	9170-375	Nov. 17, 2017	1 Year
MI.	Pre-amplifier	SONOMA	310N	186860	Nov. 17, 2017	1 Year
12.	EMI Test Software EZ-EMC	SHURPLE	N/A MOC	N/A	N/A	N/A
13.	RF Test Control System	YIHENG	YH3000	2017430	Nov. 18, 2017	1 Year
14.	Power Sensor	DAER	RPR3006W	15I00041SN045	Nov. 17, 2017	1 Year
15.	Power Sensor	DAER	RPR3006W	15I00041SN046	Nov. 17, 2017	1 Year
16.	MXA Spectrum Analysis	Agilent	N9020A	MY51170037	Nov. 18, 2017	1 Year
17.	MXG RF Vector Signal Generator	Agilent	N5182A	MY48180656	Nov. 18, 2017	1 Year
18.	Signal Generator	Agilent	E4421B	MY41000743	Nov. 18, 2017	1 Year
19.	DC Power Supply	LW MADO	TPR-6410D	349315	Nov. 01, 2017	1 Year
20.	Constant Temperature Humidity Chamber	Sertep	ZJ-HWHS80B	ZJ-17042804	Nov. 01, 2017	1 Year

1.8. Description of Test Facility

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

FCC-Registration No.: 184111

Shenzhen 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 No. 184111, July 31, 2017.

ISED-Registration No.: 8058A-1

Shenzhen Anbotek Compliance Laboratory Limited, EMC Laboratory has been registered and fully described in a report filed with the (ISED) Innovation, Science and Economic Development Canada. The acceptance letter from the ISED is maintained in our files. Registration 8058A-1, June 13, 2016.

Test Location

Shenzhen Anbotek Compliance Laboratory Limited.

1/F, Building D, Sogood Science and Technology Park, Sanwei community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.518102

2. Summary of Test Results

Standard Section	Test Item	Result
15.203	Antenna Requirement	PASS
15.207	Conducted Emission	N/A
15.249	Radiated Emission	PASS
15.215(c)	20dB Bandwidth	PASS
15.249(c)	Band Edge	PASS
Remark: "N/A" is an abbre	otek Nupote Ann Lak Botek Anbo	K Anbotek



3. Conducted Emission Test

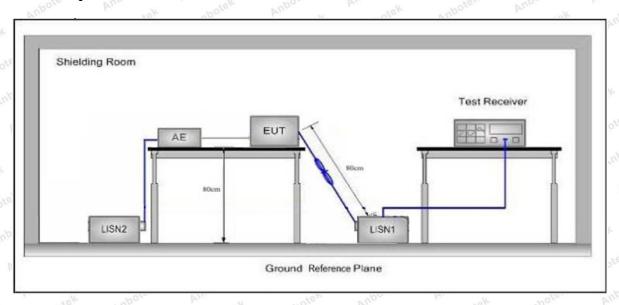
3.1. Test Standard and Limit

Test Standard	FCC Part15 Section 15.207	Anbore All hotek	Anbotek Anbo stek				
	F	Maximum RF Line Voltage (dBuV)					
	Frequency	Quasi-peak Level	Average Level				
Test Limit	150kHz~500kHz	66 ~ 56 *	56 ~ 46 *				
	500kHz~5MHz	56	46				
	5MHz~30MHz	60 Andrews	50				

Remark: (1) *Decreasing linearly with logarithm of the frequency.

(2) The lower limit shall apply at the transition frequency.

3.2. Test Setup



3.3. Test Procedure

The EUT system is connected to the power mains through a line impedance stabilization network (L.I.S.N.). This provides a 50ohm coupling impedance for the EUT system. Please refer the block diagram of the test setup and photographs. Both sides of AC line are checked to find out the maximum conducted emission. In order to find the maximum emission levels, the relative positions of equipment and all of the interface cables shall be changed according to FCC ANSI C63.10-2013 on Conducted Emission Measurement.

The bandwidth of test receiver (ESCI) set at 9kHz.

The frequency range from 150kHz to 30MHz is checked.

3.4. Test Data

The EUT is powered by DC 3V battery inside, so there is no need to conduct this test.



4. Radiated Emission and Band Edge

4.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.20	An. botek	Anboten	And stek	
	Frequency (MHz)	Field strength (microvolt/meter)	Limit (dBuV/m)	Remark	Measurement distance (m)
	0.009MHz~0.490MHz	2400/F(kHz)	obotek - Anbo	co Pur	300
	0.490MHz-1.705MHz	24000/F(kHz)	Mipotek A	Pose Vin	notek 30 Anb
	1.705MHz-30MHz	30	Anbatek	Anbore F	30
Test Limit	30MHz~88MHz	100	40.0	Quasi-peak	An 3lek
	88MHz~216MHz	150	43.5	Quasi-peak	3 botek
	216MHz~960MHz	200	46.0	Quasi-peak	iek 3 nbotek
	960MHz~1000MHz	500	54.0	Quasi-peak	stek 3 mbo
	A1 1000MH	500	54.0	Average	3
	Above 1000MHz	botek - Anbote	74.0	Peak	Anbe 3ek

Remark:

- (1)The lower limit shall apply at the transition frequency.
- (2) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

Test Standard	FCC Part15 C	Section 15.249			Anbotek		
	Frequency (MHz)	Field Strength of fundamental ((millivolts /meter)	fundamental Harmonics		Remark	Measurement distance (m)	
Test Limit	2400~2483.5	50	Anbotek - Anbot	114.0	Peak	3 And	
	2400~2483.5	50	Anbotek Anb	94.0	Average	Anbote 3	
	2400~2483.5	Dro Am	500	74.0	Peak	Anbois	
	2400~2483.5	upote Aut both	500	54.0	Average	3000	

Remark:

(1) 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.

4.2. Test Setup



Figure 1. Below 30MHz

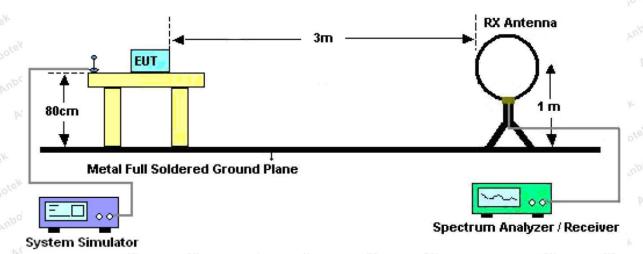


Figure 2. 30MHz to 1GHz

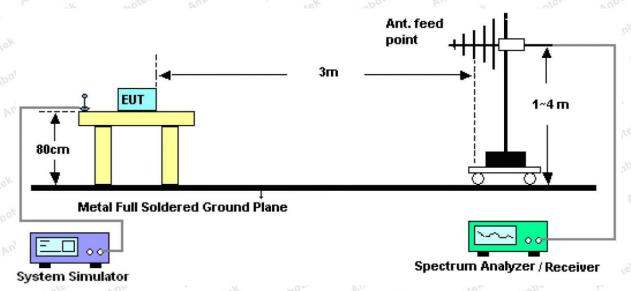
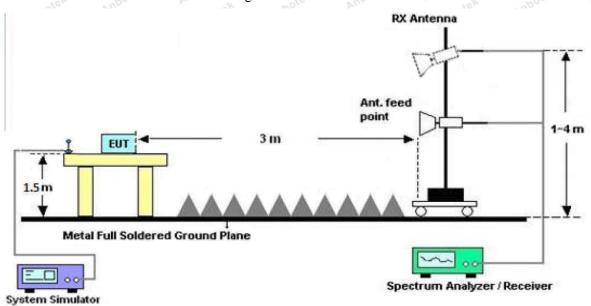


Figure 3. Above 1 GHz





4.3. Test Procedure

For below 1GHz: The EUT is placed on a turntable, which is 0.8m above the ground plane.

For above 1GHz: The EUT is placed on a turntable, which is 1.5m above the ground plane.

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. Rotated the EUT through three orthogonal axes to determine the maximum emissions, both horizontal and vertical polarization of the antenna are set on test. The EUT is tested in 9*6*6 Chamber. The device is evaluated in xyz orientation.

For the radiated emission test above 1GHz:

Place the measurement antenna away from each area of the EUT determined to be a source of emissions at the specified measurement distance, while keeping the measurement antenna aimed at the source of emissions at each frequency of significant emissions, with polarization oriented for maximum response. The measurement antenna may have to be higher or lower than the EUT, depending on the radiation pattern of the emission and staying aimed at the emission source for receiving the maximum signal. The final measurement antenna elevation shall be that which maximizes the emissions. The measurement antenna elevation for maximum emissions shall be restricted to a range of heights of from 1 m to 4 m above the ground or reference ground plane.

For 9kHz to 150kHz, Set the spectrum analyzer as:

RBW = 200Hz, VBW = 1kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 150kHz to 30MHz, Set the spectrum analyzer as:

RBW = 9KHz, VBW = 30kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For 30MHz to 1000MHz, Set the spectrum analyzer as:

RBW = 100kHz, VBW =300kHz, Detector= Quasi-Peak, Trace mode= Max hold, Sweep- auto couple.

For above 1GHz,Set the spectrum analyzer as:

RBW =1MHz, VBW =1MHz, Detector= Peak, Trace mode= Max hold, Sweep- auto couple.

RBW =1MHz, VBW =10Hz, Detector= Average, Trace mode= Max hold, Sweep- auto couple.

4.4. Test Data

PASS

During the test, Pre-scan all kind of the place mode (X-axis, Y-axis, Z-axis), and found the X-axis is the worst case.

The test results of 9kHz-30MHz was attenuated more than 20dB below the permissible limits, so the results don't record in the report.

During the test, pre-scan all the mode, and found the Middle channel which is the worst case, only the worst case is recorded in the report



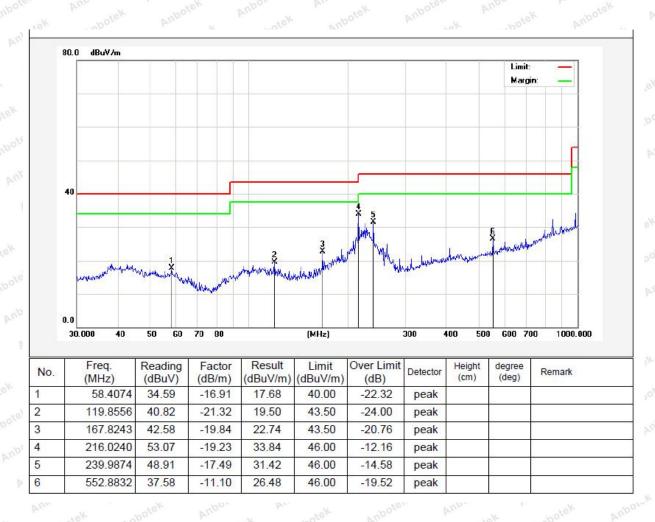
FCC ID: WOX-SK626AG

Test Results (30~1000MHz)

SZAWW180911002-01 Job No.: Temp.($^{\circ}$ C)/Hum.($^{\circ}$ RH): 23.4°C/49%RH

Standard: FCC PART 15C Power Source: DC 3V battery inside

Test Mode: Mode 2 Polarization: Horizontal





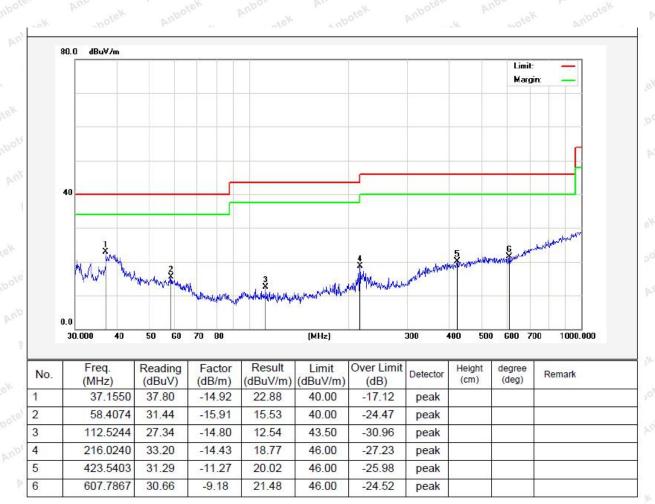
FCC ID: WOX-SK626AG

Test Results (30~1000MHz)

SZAWW180911002-01 23.4℃/49%RH Job No.: Temp.(°C)/Hum.(%RH):

Standard: FCC PART 15C Power Source: DC 3V battery inside

Test Mode: Mode 2 Polarization: Vertical



Test Results (1GHz-25GHz)

Test Mode: 0	CH01 (Low ch	nannel)							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Detector
2408.0000	94.74	31.12	2.18	35.33	92.71	114.00	-21.29	V	Peak
2408.0000	84.17	31.12	2.18	35.33	82.14	94.00	-11.86	V	AVG
4816.0000	47.87	34.01	2.58	34.65	49.81	74.00	-24.19	V	Peak
4816.0000	38.84	34.01	2.58	34.65	40.78	54.00	-13.22	V	AVG
7224.0000	48.31	36.16	2.97	35.07	52.37	74.00	-21.63	V	Peak
7224.0000	37.70	36.16	2.97	35.07	41.76	54.00	-12.24	V	AVG
9632.0000	nbote*	Anbu-otek	nbotek	Anbo	re Vu	notek	Anbotek	Aup,	rek
12040.0000	Anboken	Aupo	k nbot	ok by	pole.	Yun Yun	Anbotek	P	upor
14448.0000	A.* otel	Anba	rek n	potek	Aupoto	Ann	c Anbo	EK.	Anbore
16856.0000	* Anbote	Anb	2. Kek	-nbotek	Aupore.	N AUD	rek or	potek	Anbox
2408.0000	95.90	31.12	2.18	35.33	93.87	114.00	-20.13	WHICH	Peak
2408.0000	82.27	31.12	2.18	35.33	80.24	94.00	-13.76	Habe	AVG
4816.0000	47.32	34.01	2.58	34.65	49.26	74.00	-24.74	Н	Peak
4816.0000	40.17	34.01	2.58	34.65	42.11	54.00	-11.89	% H	AVG
7224.0000	47.28	36.16	2.97	35.07	51.34	74.00	-22.66	Н	Peak
7224.0000	38.89	36.16	2.97	35.07	42.95	54.00	-11.05	H	AVG
9632.0000	*	otek p	Anbotek	Anbote	ok Pun	otek A	hotek	Vupor	ek Ali
12040.0000	*	nbo	nbotek	Anbot	K And	obotek	Anbotek	Anbo	*ek
14448.0000	*	Aupor	hote	K An'	Ores b	mbotek	Anbotek	PL	bor
16856.0000	***	Aupor	rek Pi	otek	Aupoter	Vup.	todna	. K	Aupore

Note:

- 1. Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

FCC ID: WOX-SK626AG

Test Mode: 0	CH17 (Middle	channel)							
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Detector
2440.0000	94.86	31.12	2.20	34.51	93.67	114.00	-20.33	Vote	Peak
2440.0000	82.56	31.22	2.20	34.51	81.47	94.00	-12.53	V	AVG
4880.0000	50.05	34.98	2.49	34.14	53.38	74.00	-20.62	V	Peak
4880.0000	38.44	34.98	2.49	34.14	41.77	54.00	-12.23	V	AVG
7320.0000	45.32	36.01	3.01	34.56	49.78	74.00	-24.22	V	Peak
7320.0000	38.85	36.01	3.01	34.56	43.31	54.00	-10.69	V	AVG
9760.0000	ster * An	, tek	nbotek	Aupoto	K VUD	otek :	nbotek	Aupore	rak bu
12200.0000	nbote*	Yupo, otek	abotek	Anbo	ion Vu	notek	Anbotek	Aup,	*eK
14640.0000	Anbokek	Aupor	K NOOK	sk Pr	poter	Yupa	Anbotek	P	^u pose
17080.0000	*******	Aupor	rek w	potek	Anboren	Aup	, nbo	,eK	Anbore
2440.0000	95.84	31.12	2.20	34.51	94.65	114.00	-19.35	po'H	Peak
2440.0000	82.33	31.12	2.20	34.51	81.14	94.00	-12.86	Prek	AVG
4880.0000	47.93	34.98	2.49	34.14	51.26	74.00	-22.74	Habe	Peak
4880.0000	38.71	34.98	2.49	34.14	42.04	54.00	-11.96	Н	AVG
7320.0000	45.04	36.01	3.01	34.56	49.50	74.00	-24.50	ek H	Peak
7320.0000	35.56	36.01	3.01	34.56	40.02	54.00	-13.98	Н	AVG
9760.0000	*	stek.	nbotek	Anbore	Ans note	K Anbo	Yek Yu	bo.	b.,
12200.0000	* 400	"Otek	abotek	Anboten	K Mun	otek A	botek	Vupor	ek bu
14640.0000	botev *	ing.	nbotek	Anbot	K WWD	hotek	anbotek	Aupo	Lak
17080.0000	Anbotek	Anbor	An abote	K An'	oter b	nek atek	Anbotek	PL	bor

Note:

- 1. Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.

FCC ID: WOX-SK626AG

		A 4		ъ					
Frequency (MHz)	Read Level (dBuV)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Factor (dB)	Level (dBuV/m)	Limit (dBuV/m)	Over Limit (dB)	Pol.	Detector
2474.0000	93.44	31.65	2.23	36.07	91.25	114.00	-22.75	Vote	Peak
2474.0000	84.92	31.65	2.23	36.07	82.73	94.00	-11.27	V	AVG
4948.0000	47.26	35.06	2.60	34.93	49.99	74.00	-24.01	V	Peak
4948.0000	39.49	35.06	2.60	34.93	42.22	54.00	-11.78	V	AVG
7422.0000	45.45	36.19	3.12	35.11	49.65	74.00	-24.35	V	Peak
7422.0000	38.23	36.19	3.12	35.11	42.43	54.00	-11.57	V	AVG
9896.0000	ster * Ani	tek	nbotek	Aupote	K VIII	otek	nbotek	Anbore	rak bu
12370.0000	mbote*	Anbountek	abotek	Anbo	ion Vu	hotek	Anbotek	Aup,	vo.K
14844.0000	Anbokek	Aupor	K NOT	ek Ar	poter	Yupa Otek	Anbotek	P	hose
17318.0000	Althorek	Aupor	rek w	ootek	Anboren	Aupr	, nbo	,eK	Anbore
2474.0000	95.14	31.65	2.23	36.07	92.95	114.00	-21.05	ho'H	Peak
2474.0000	85.53	31.65	2.23	36.07	83.34	94.00	-10.66	Prek	AVG
4948.0000	47.73	35.06	2.60	34.93	50.46	74.00	-23.54	Habe	Peak
4948.0000	41.77	35.06	2.60	34.93	44.50	54.00	-9.50	Н	AVG
7422.0000	46.89	36.19	3.12	35.11	51.09	74.00	-22.91	e¥ H	Peak
7422.0000	36.16	36.19	3.12	35.11	40.36	54.00	-13.64	Н	AVG
9896.0000	*Anbo	tek	nbotek	Anbore	Ans note	K Anb	Yek Yu	bo.	V/2
12370.0000	* Anb	-otek	anbotek	Anboten	k Yun	otek A	botek	Aupor	ek by
14844.0000	bote* * P	nbo	nbotek	Anbot	K MUD	-hotek	Anbotek	Anbo	rek P
17318.0000	nbotek	Aupor	, note	K An	ofer b	upofek	abotek	AT	bor

Note:

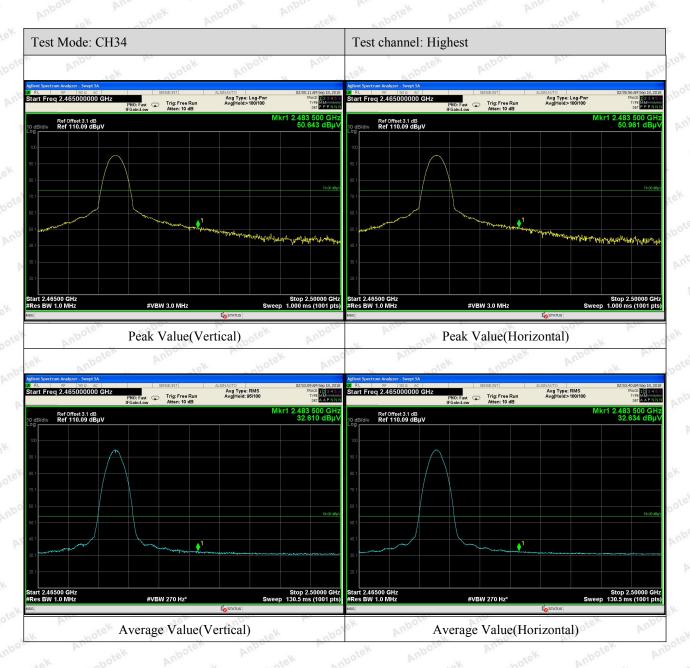
- 1. Level =Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor
- 2. "*" means the test results were attenuated more than 20dB below the permissible limits, so the results don't record in the report.



Radiated Band Edge:





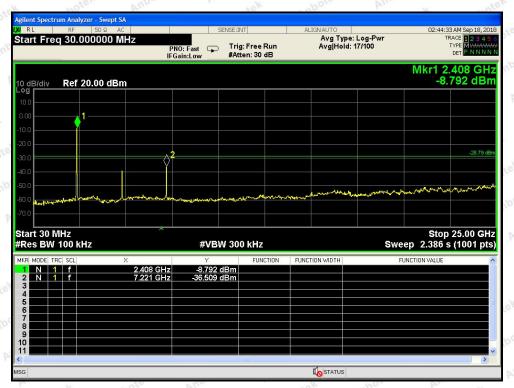


Remark:

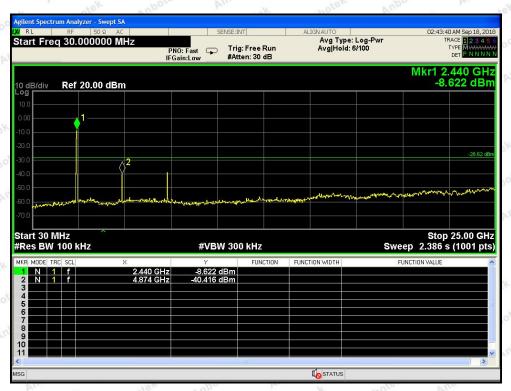
1. Level =Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor



Conducted Emission Method

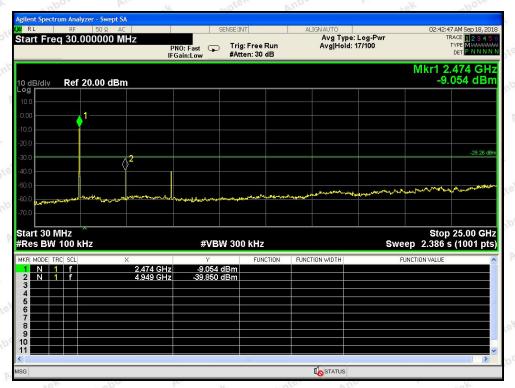


CH: Low



CH: Middle





CH: High

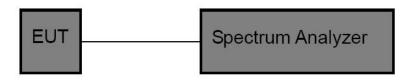


5. 20dB Bandwidth Test

5.1. Test Standard and Limit

Test Standard	FCC Part15 C Section 15.249				
	-0's VI.	400	-100	Pro-	

5.2. Test Setup



5.3. Test Procedure

- 1. Place the EUT on the table and set it in the transmitting mode.
- 2. Remove the antenna from the EUT and then connect a low loss RF cable from the antenna port to the spectrum analyzer.
- 3. Set the spectrum analyzer as:

 $RBW = 30kHz, VBW \ge 3*RBW = 100kHz,$

Detector= Average

Trace mode= Max hold.

Sweep- auto couple.

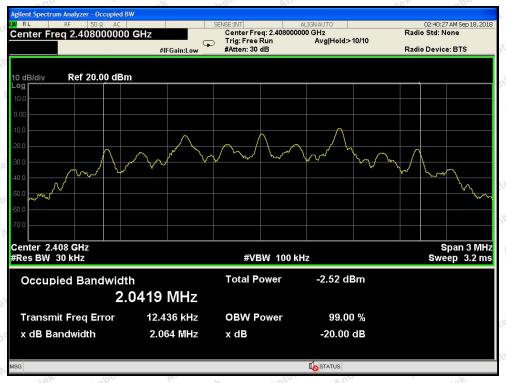
- 4. Mark the peak frequency and -20dB (upper and lower) frequency.
- 5. Repeat until all the rest channels are investigated.

5.4. Test Data

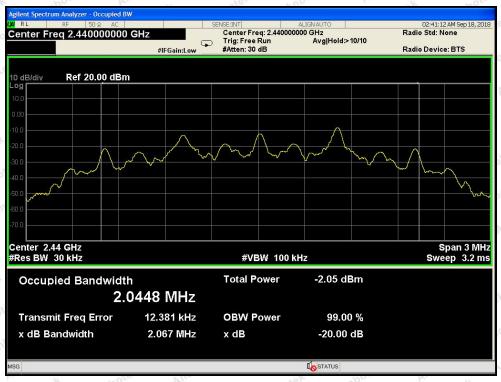
Test Item	:	20dB Bandwidth	Test Mode	:	Mode 1
Test Voltage	:	DC 3V battery inside	Temperature	:	24℃
Test Result	:	PASS	Humidity	:	55%RH

	Frequency (MHz)	**	В	andwidth (kHz)	605*		Result	V
Al. abotek	2408MHZ	Anbo	Anbotek	2064	Anshote	K Anb	PASS	Anbo.
A. abotek	2440MHZ	Anb	Anbotek	2067	VII.	otek p	PASS	Anbo
8K 200	2474MHZ	Ans	lek vipotek	2065	ok Pr	notek	PASS	Anbe



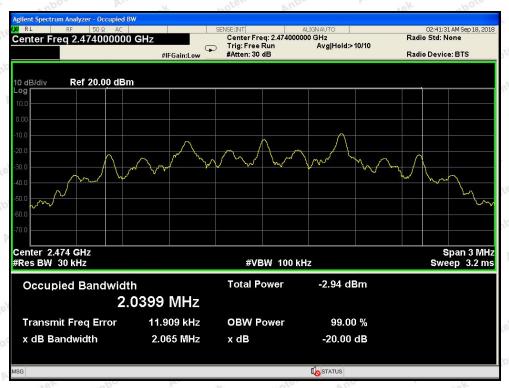


Test Mode: Low



Test Mode: Middle





Test Mode: High



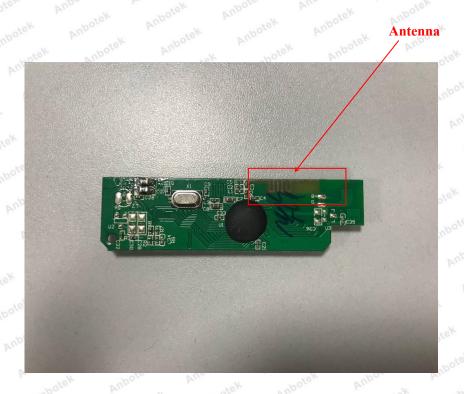
6. Antenna Requirement

6.1. Test Standard and Requirement

Test Standard	FCC Part15 Section 15.203
Requirement	1) 15.203 requirement: 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, the manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

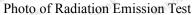
6.2. Antenna Connected Construction

The antenna is a PCB Antenna which permanently attached, and the best case gain of the antenna is 0 dBi. It complies with the standard requirement.





APPENDIX I -- TEST SETUP PHOTOGRAPH



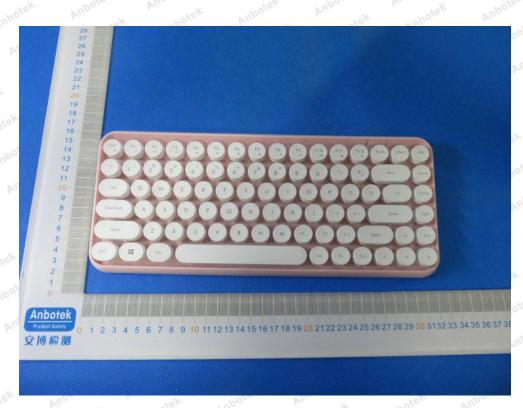




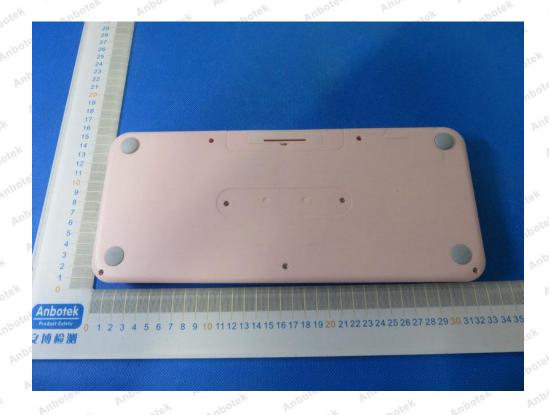


APPENDIX II -- EXTERNAL PHOTOGRAPH

























APPENDIX III -- INTERNAL PHOTOGRAPH











----- End of Report -----