Report No: CCISE191006105

FCC REPORT

Applicant: SWAGTEK

Address of Applicant: 10205 NW 19th St. Suite 101, Miami, FL, 33172

Equipment Under Test (EUT)

Product Name: 5 inch 3G Smart Phone

Model No.: X50, KRONOS, W50

Trade mark: LOGIC, iSWAG, UNONU

FCC ID: 055504019

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 22 Oct., 2019

Date of Test: 22 Oct., to 20 Nov., 2019

Date of report issued: 22 Nov., 2019

Test Result: PASS *

Authorized Signature:



Bruce Zhang Laboratory Manager

This report details the results of the testing carried out on one sample. The results contained in this test report do not relate to other samples of the same product and does not permit the use of the CCIS product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

This report may only be reproduced and distributed in full. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

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^{*} In the configuration tested, the EUT complied with the standards specified above.





Version

Version No.	Date	Description
00	22 Nov., 2019	Original

Tanet Wei
Test Engineer
Winner Thang Tested by: Date: 22 Nov., 2019

Reviewed by: Date: 22 Nov., 2019

Project Engineer



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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass

Remark:

- 1. Pass: The EUT complies with the essential requirements in the standard.
- 2. N/A: The EUT not applicable of the test item.

Test Method: ANSI C63.4:2014



5 General Information

5.1 Client Information

Applicant:	SWAGTEK
Address:	10205 NW 19th St. Suite 101, Miami, FL, 33172
Manufacturer/ Factory:	SWAGTEK
Address:	10205 NW 19th St. Suite 101, Miami, FL, 33172

5.2 General Description of E.U.T.

-		
Product Name:	5 inch 3G Smart Phone	
Model No.:	X50, KRONOS, W50	
Power supply:	Rechargeable Li-ion Battery DC3.8V-1800mAh	
AC adapter :	Model: A31A-050055U-US1 Input: AC100-240V, 50/60Hz, 0.2A Output: DC 5.0V, 550mA	
Test Sample Condition:	The test samples were provided in good working order with no visible defects.	
Remark:	The No: X50, KRONOS,W50, were identical inside, the electrical circuit design, layout, components used and internal wiring. X50 model corresponds to the trademark LOGIC. KRONOS model correspond to the trademark iSWAG. W50 model corresponds to the trademark UNONU.	

5.3 Test Mode

Operating mode	Detail description	
PC mode Keep the EUT in Downloading mode(Worst case)		
Charging+Recording mode	Keep the EUT in Charging+Recording mode	
Charging+Playing mode	Keep the EUT in Charging+Playing mode	
FM mode	Keep the EUT in FM receiver mode	
GPS mode Keep the EUT in GPS receiver mode		

The sample was placed 0.8m above the ground plane of 3m chamber. Measurements in both horizontal and vertical polarities were performed. During the test, each emission was maximized by: having the EUT continuously working, investigated all operating modes, rotated about all 3 axis (X, Y & Z) and considered typical configuration to obtain worst position, manipulating interconnecting cables, rotating the turntable, varying antenna height from 1m to 4m in both horizontal and vertical polarizations. The emissions worst-case are shown in Test Results of the following pages.

5.4 Measurement Uncertainty

Parameters	Expanded Uncertainty
Conducted Emission (9kHz ~ 30MHz)	±1.60 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±3.12 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.32 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.38 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.36 dB (k=2)

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 2311 8282 Fax: +86 (0) 755 2311 6366

5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX745	N/A	DoC
DELL	MONITOR	E178FPC	N/A	DoC
DELL	KEYBOARD	SK-8115	N/A	DoC
DELL	MOUSE	MOC5UO	N/A	DoC
LENOVO	Laptop	SL510	2847A65	DoC

5.6 Related Submittal(s) / Grant (s)

This is an original grant, no related submittals and grants.

5.7 Description of Cable Used

Cable Type	Description	Length	From	То
Detached USB Cable	Unshielded	1.0m	EUT	PC/Adapter
Detached headset cable	Unshielded	1.2m	EUT	Headset

5.8 Additions to, deviations, or exclusions from the method

No

5.9 Laboratory Facility

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

• FCC - Designation No.: CN1211

Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been accredited as a testing laboratory by FCC(Federal Communications Commission). The test firm Registration No. is 727551.

• ISED - CAB identifier.: CN0021

The 3m Semi-anechoic chamber of Shenzhen Zhongjian Nanfang Testing Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.

• CNAS - Registration No.: CNAS L6048

Shenzhen Zhongjian Nanfang Testing Co., Ltd. is accredited to ISO/IEC 17025:2005 General Requirements for the Competence of Testing and Calibration laboratories for the competence of testing. The Registration No. is CNAS L6048.

A2LA - Registration No.: 4346.01

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 General requirements for the competence of testing and calibration laboratories. The test scope can be found as below link: https://portal.a2la.org/scopepdf/4346-01.pdf

5.10 Laboratory Location

Shenzhen Zhongjian Nanfang Testing Co., Ltd.

Address: No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,

Bao'an District, Shenzhen, Guangdong, China Tel: +86-755-23118282, Fax: +86-755-23116366

Email: info@ccis-cb.com, Website: http://www.ccis-cb.com

Shenzhen Zhongjian Nanfang Testing Co., Ltd.
No. B-C, 1/F., Building 2, Laodong No.2 Industrial Park, Xixiang Road,
Bao'an District, Shenzhen, Guangdong, China
Telephone: +86 (0) 755 2311 8282 Fax: +86 (0) 755 2311 6366





5.11 Test Instruments list

Radiated Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
3m SAC	SAEMC	9m*6m*6m	966	07-22-2017	07-21-2020	
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-18-2019	03-17-2020	
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-18-2019	03-17-2020	
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-18-2019	03-17-2020	
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020	
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2018	11-20-2019	
EMI Test Software	AUDIX	E3	\	/ersion: 6.110919	b	
Pre-amplifier	HP	8447D	2944A09358	03-18-2019	03-17-2020	
Pre-amplifier	CD	PAP-1G18	11804	03-18-2019	03-17-2020	
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-18-2019	03-17-2020	
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2018	11-20-2019	
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-18-2019	03-17-2020	
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-18-2019	03-17-2020	
Cable	MICRO-COAX	MFR64639	K10742-5	03-18-2019	03-17-2020	
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-18-2019	03-17-2020	

Conducted Emission:						
Test Equipment	Manufacturer	Model No.	Serial No.	Cal. Date (mm-dd-yy)	Cal. Due date (mm-dd-yy)	
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-18-2019	03-17-2020	
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-18-2019	03-17-2020	
LISN	CHASE	MN2050D	1447	03-18-2019	03-17-2020	
LICNI	Dahda 9 Cahusara	F0110.75	0.4200204/040	07-21-2018	07-20-2019	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2019	07-20-2020	
Cable	HP	10503A	N/A	03-18-2019	03-17-2020	
EMI Test Software	AUDIX	E3	,	Version: 6.110919	b	



6 Test results and Measurement Data

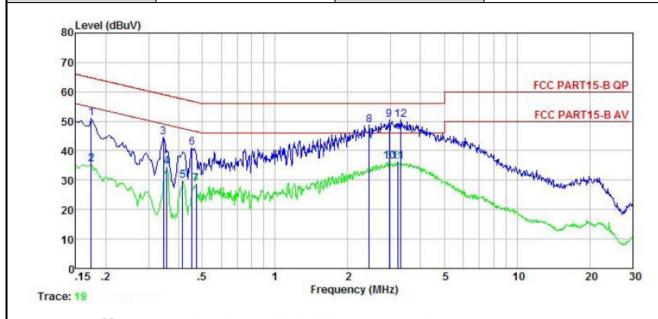
6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107				
Test Frequency Range:	150kHz to 30MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9kHz, VBW=30kHz				
Limit:	Frequency range (MHz)	Limit	(dBµV)		
	Quasi-peak Average				
	0.15-0.5	66 to 56*	56 to 46*		
	0.5-5	56	46		
	0.5-30	60	50		
Test setup:	* Decreases with the logarith	im of the frequency.			
	Reference Plane LISN 40cm 80cm Filter AC power Equipment Test table/Insulation plane Remark E.U.T. Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m				
Test procedure	 The E.U.T and simulators are connected to the main power through a line impedance stabilization network(L.I.S.N.). The provide a 50ohm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 50ohm/50uH coupling impedance with 50ohm termination. (Please refers to the block diagram of the test setup and photographs). Both sides of A.C. line are checked for maximum conducted interference. In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.4: 2014 on conducted measurement. 				
Test Instruments:	Refer to section 5.11 for details				
Test mode:	Refer to section 5.3 for details				
Test results:	Pass				



Measurement data:

Product name:	5 inch 3G Smart Phone	Product model:	X50
Test by:	Janet	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



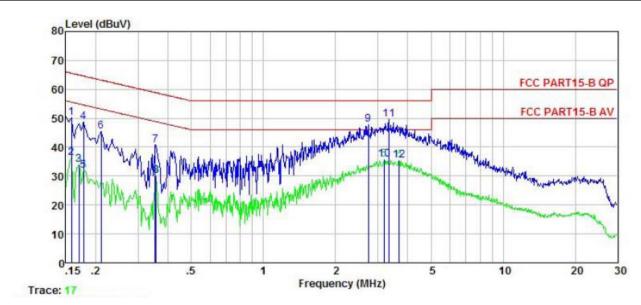
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∀	dB	dB	dBu∀	dBu∜	dB	
1	0.174	40.60	-0.43	10.77	50.94	64.77	-13.83	QP
2	0.174	25.19	-0.43	10.77	35.53	54.77	-19.24	Average
3	0.346	34.28	-0.38	10.73	44.63	59.05	-14.42	QP
1 2 3 4 5 6 7 8 9	0.358	24.11	-0.38	10.73	34.46	48.78	-14.32	Average
5	0.415	19.35	-0.37	10.73	29.71	47.55	-17.84	Average
6	0.454	30.73	-0.38	10.74	41.09	56.80	-15.71	QP
7	0.471	18.17	-0.38	10.75	28.54	46.49	-17.95	Average
8	2.448	38.13	-0.42	10.94	48.65	56.00	-7.35	QP
9	2.962	39.90	-0.44	10.92	50.38	56.00	-5.62	QP
10	2.962	25.77	-0.44	10.92	36.25	46.00	-9.75	Average
11	3.207	25.75	-0.45	10.91	36.21	46.00	-9.79	Average
12	3.293	39.91	-0.45	10.91	50.37	56.00	-5.63	QP

Notes

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Product name:	5 inch 3G Smart Phone	Product model:	X50
Test by:	Janet	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∇	d₿	dB	dBu∜	dBu∜	<u>dB</u>	
1	0.158	39.95	-0.68	10.77	50.04	65.56	-15.52	QP
2	0.158	26.31	-0.68	10.77	36.40	55.56	-19.16	Average
2	0.170	23.78	-0.68	10.77	33.87			Average
	0.178	38.70	-0.69	10.77	48.78	64.59	-15.81	QP
4 5 6 7	0.178	21.85	-0.69	10.77	31.93	54.59	-22.66	Average
6	0.211	35.50	-0.68	10.76	45.58	63.18	-17.60	QP
7	0.354	30.68	-0.64	10.73	40.77	58.87	-18.10	QP
8	0.358	19.95	-0.64	10.73	30.04	48.78	-18.74	Average
9	2.736	37.50	-0.67	10.93	47.76	56.00	-8.24	QP
10	3.190	25.62	-0.68	10.91	35.85	46.00	-10.15	Average
11	3.328	39.38	-0.68	10.91	49.61	56.00	-6.39	QP
12	3.681	25.20	-0.69	10.90	35.41	46.00		Average

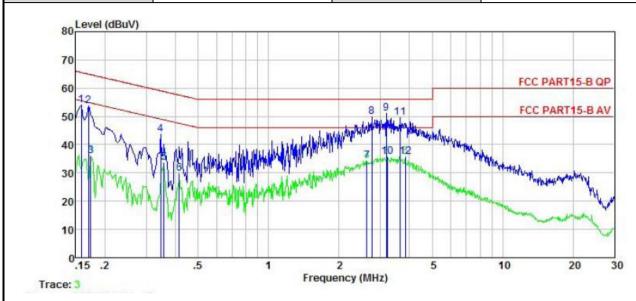
Notes:

- 1. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 2. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Measurement data:

Product name:	5 inch 3G Smart Phone	Product model:	X50
Test by:	Janet	Test mode:	Recording mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



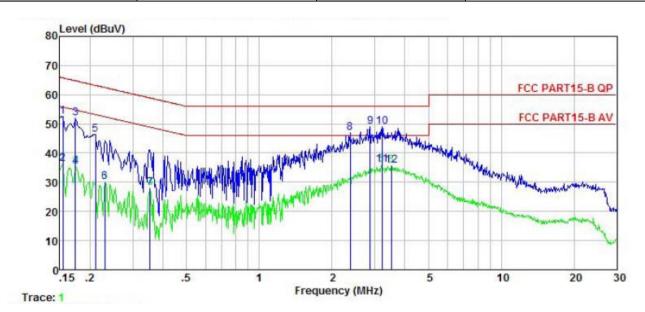
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	₫BuV	₫₿	d₿	dBu∜	dBu∜	dB	
1	0.158	43.69	-0.44	10.77	54.02	65.56	-11.54	QP
2	0.170	43.32	-0.43	10.77	53.66	64.94	-11.28	QP
3	0.174	25.59	-0.43	10.77	35.93	54.77	-18.84	Average
4	0.346	33.41	-0.38	10.73	43.76	59.05	-15.29	QP
1 2 3 4 5 6 7 8 9	0.358	23.42	-0.38	10.73	33.77	48.78	-15.01	Average
6	0.415	19.51	-0.37	10.73	29.87	47.55	-17.68	Average
7	2.636	23.81	-0.43	10.93	34.31	46.00	-11.69	Average
8	2.765	39.34	-0.43	10.93	49.84	56.00	-6.16	QP
9	3.190	40.54	-0.44	10.91	51.01	56.00	-4.99	QP
10	3.207	25.18	-0.45	10.91	35.64	46.00	-10.36	Average
11	3.661	39.13	-0.46	10.90	49.57	56.00	-6.43	QP
12	3.840	25.43	-0.46	10.89	35.86	46.00	-10.14	Average

Notes:

- 4. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 5. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 6. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Product name:	5 inch 3G Smart Phone	Product model:	X50
Test by:	Janet	Test mode:	Recording mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Neutral
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5℃ Huni: 55%



	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∀	₫₿	₫B	dBu∜	dBu∀	dB	
1	0.154	42.50	-0.68	10.78	52.60	65.78	-13.18	QP
2	0.154	26.26	-0.68	10.78	36.36	55.78	-19.42	Average
3	0.174	41.96	-0.69	10.77	52.04	64.77	-12.73	QP
1 2 3 4 5 6 7 8 9	0.174	25.43	-0.69	10.77	35.51	54.77	-19.26	Average
5	0.211	36.41	-0.68	10.76	46.49	63.18	-16.69	QP
6	0.230	20.13	-0.67	10.75	30.21	52.44	-22.23	Average
7	0.354	17.93	-0.64	10.73	28.02	48.87	-20.85	Average
8	2.371	36.67	-0.67	10.94	46.94	56.00	-9.06	QP
9	2.869	38.65	-0.67	10.92	48.90	56.00	-7.10	QP
10	3.207	38.74		10.91	48.97	56.00		
11	3, 207	25.85	-0.68	10.91	36.08	46.00		Average
12	3.509	25.50	-0.69	10.90	35.71			Average

Notes:

- 4. An initial pre-scan was performed on the line and neutral lines with peak detector.
- 5. Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission.
- 6. Final Level =Receiver Read level + LISN Factor + Cable Loss.



6.2 Radiated Emission

0.2 Kau	diated Emission	1					_			
Tes	t Requirement:	FCC Part 15 B S	FCC Part 15 B Section 15.109							
Tes	t Frequency Range:	30MHz to 6000M	1Hz							
Tes	t site:	Measurement Dis	stance: 3m	(Sen	ni-Anechoic	Chamber)				
Rec	eiver setup:	Frequency	Detecto		RBW	VBW	Remark			
1100	ortor ootap.	30MHz-1GHz	Quasi-pe		120kHz	300kHz				
		Above 1GHz	Peak		1MHz	3MHz	Peak Value			
		Above 1GHZ	RMS		1MHz	3MHz	Average Value			
Limi	it:	Frequenc		Lim	nit (dBuV/m	@3m)	Remark			
		30MHz-88N			40.0		Quasi-peak Value			
		88MHz-216l			43.5		Quasi-peak Value			
		216MHz-960 960MHz-10			46.0 54.0		Quasi-peak Value Quasi-peak Value			
		900101112-10	31 IZ		54.0		Average Value			
		Above 1G	Hz		74.0		Peak Value			
Tes	t setup:	Below 1GHz			7 110		r oak valdo			
		Tum 0.8m Table O.8m A Above 1GHz	4m			Antenna Tower Search Antenna Test reciver				
		1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. 2. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. 3. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.								
Tes	t Procedure:									





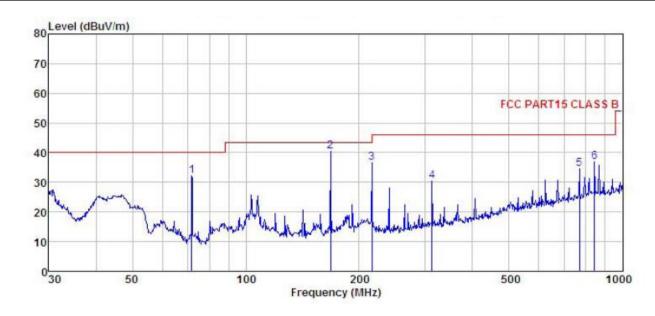
	 For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
	6. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
Test Instruments:	Refer to section 5.11 for details
Test mode:	Refer to section 5.3 for details
Test results:	Passed
Remark:	All of the observed value above 6GHz ware the niose floor , which were no recorded



Measurement Data:

Below 1GHz:

Product Name:	5 inch 3G Smart Phone	Product Model:	X50		
Test By:	Janet	Test mode:	Charging&Recording mode		
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical		
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%		



	Freq		Antenna Factor				Limit Line	Over Limit	Remark
	MHz	dBu₹	dB/m	<u>dB</u>	<u>dB</u>	dBuV/m	dBuV/m	<u>dB</u>	
1	71.832	52.05	8.24	1.56	29.71	32.14	40.00	-7.86	QP
2	167.824	57.43	9.57	2.64	29.07	40.57	43.50	-2.93	QP
2	216.024	51.05	11.31	2.85	28.73	36.48	46.00	-9.52	QP
4	312.179	41.89	13.87	2.98	28.48	30.26	46.00	-15.74	QP
5	768.748	37.52	20.94	4.36	28.37	34.45	46.00	-11.55	QP
6	842.130	38.39	22.44	4.22	28.03	37.02	46.00	-8.98	QP

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name:	uct Name: 5 inch 3G Smart Phone					Product Model: X			X50		
Test By:	Janet	Janet 30 MHz ~ 1 GHz AC 120/60Hz							Charging&Recording mode		
Test Frequency:	30 MHz										
Test Voltage:	AC 120/								Huni: 57%		
80 Level (dBuV	/m)										
80	,							111			
70							-	-	-		
60											
60							FCC PART	T15 CLAS	SSB		
50											
40				7				6			
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30					11	1 h. l	. 1.		الباريان		
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101/4		and.									
030	50	100	y	200			500		1000		
			Freq	uency (MH	z)						
	Read	Ant enna	Cable	Preamo		Limit	Over				
F	req Level				Level		Limit	Remar	k		
	MHz dBuV	dB/m	dB	dB	dBuV/m	dBu√/m	<u>d</u> B				
1 71.8	332 52.77	8.24	1.56	29.71	32.86	40.00	-7.14	QΡ			
2 167.8	324 59.30	9.57	2.64	29.07	42.44	43.50	-1.06				
3 216.0			2.85				-11.17	QP			
1 71.8 2 167.8 3 216.0 4 312.1 5 768.7		13.87 20.94	2.98 4.36	28.48 28.37			-10.32 -11.54				
6 942			4.00	20.01			_0 TE				

Remark:

6

842.130

38.62

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

22.44

The emission levels of other frequencies are very lower than the limit and not show in test report.

28.03

37.25

46.00 -8.75 QP

500

1000



Product Name:	5 inch 3G Smart Phone			Product Model:	X50
Test By:	Janet			Test mode:	PC mode
Test Frequency: 30 MHz ~ 1		GHz		Polarization:	Vertical
Test Voltage:	AC 120/60H	Нz		Environment:	Temp: 24℃ Huni: 57%
70 60 50	//m)				FCC PART15 CLASS B
20	1				6

	Freq		Antenna Factor		Preamp Factor	Level	Limit Line	Over Limit	Remark
5	MHz	dBu∀	dB/m	dB	<u>d</u> B	$\overline{dBuV/m}$	$\overline{dBuV/m}$	dB	
1	62.431	47.71	11.55	1.38	29.76	30.88	40.00	-9.12	QP
1 2 3 4 5	139.361	45.93	8.14	2.39	29.28	27.18	43.50	-16.32	QP
3	166.068	43.19	9.28	2.63	29.08	26.02	43.50	-17.48	QP
4	263.819	40.04	13.39	2.85	28.51	27.77		-18.23	
5	304.610	39.89	13.70	2.95	28.46	28.08		-17.92	
6	480.528	38.52	16.97	3.46		30.03		-15.97	1-2-1-7 (C.C.)

200

Frequency (MHz)

Remark:

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

100

4. The emission levels of other frequencies are very lower than the limit and not show in test report.



Product Name: Test By:		5 inch 3G Smart Phone Janet			F	Product Me	odel:	X50	X50 PC mode Horizontal		
					٦	Test mode	:	PC mo			
est Frequ	uency:	30 MHz ~ 1 GHz				Polarizatio	n:	Horizor			
est Volta	ige:	AC 120/60Hz			E	Environme	nt:	Temp: 24°C		Huni: 57%	
Leve	el (dBuV/m)										
80	a (abaviii)										
70		-			_						
60											
								FCC PA	ART15 CI	ASSB	
50						_					
40						-				6	
30					4	3 4		5		Ĭ	
18741/3				6	M	Alkali.	n D	III. L	Market	الإمال أوالمو	
20		1.14		/V	W. W	A PARTY	Walter and	HAND AND AND	1		
10	Mountagendus	and I was	and the second	ham V	May Kill	Y Y Y	WHILM	- And - Andrew			
10	Vincence	and the same	and the second	mun/V	Will have	y of role	WINDLANG.	H-H-H-L-A-L-B-A-			
1	June species	and he	100	Free	200 quency (Mi	A Transcon	ud'iot. I-d'anne	500		1000	
10	North State of the	No Proposition of the Propositio			quency (Mi	Hz)	WING PRANT			1000	
10			Antenna	Cable	quency (Mi	Hz)	Limit	0ver	Remark		
10	Freq	Level	Antenna Factor	Cable Loss	Preamp Factor	Hz) Level	Line	Over Limit	Remarl		
10			Antenna Factor	Cable	Preamp Factor	Hz)	Line	0ver	Remark		
10 030	Freq MHz 174.424	Level dBuV 43.58	Antenna Factor dB/m 9.58	Cable Loss dB	Preamp Factor dB	Level dBuV/m 26.83	Line dBuV/m 43.50	Over Limit ———————————————————————————————————	QP		
10 030	Freq MHz 174.424 233.349	dBuV 43.58 40.09	Antenna Factor dB/m 9.58 12.74	Cable Loss dB 2.69 2.83	Preamp Factor dB 29.02 28.63	Level dBuV/m 26.83 27.03	Line dBuV/m 43.50 46.00	Over Limit ———————————————————————————————————	QP QP		
10 030	Freq MHz 174.424 233.349 239.987 263.819	43.58 40.09 41.57 40.97	Antenna Factor dB/m 9.58 12.74 12.97 13.39	Cable Loss dB 2.69 2.83 2.82 2.85	Preamp Factor dB 29.02 28.63 28.59 28.51	Level dBuV/m 26.83 27.03 28.77 28.70	Line dBuV/m 43.50 46.00 46.00 46.00	Over Limit 	QP QP QP QP QP		
030	Freq MHz 174.424 233.349 239.987	dBuV 43.58 40.09 41.57	Antenna Factor —— dB/m 9.58 12.74 12.97	Cable Loss dB 2.69 2.83 2.82	Preamp Factor dB 29.02 28.63 28.59 28.51 28.92	Level dBuV/m 26.83 27.03 28.77 28.70 29.35	Line dBuV/m 43.50 46.00 46.00	Over Limit -16.67 -18.97 -17.23 -17.30 -16.65	QP QP QP QP QP		

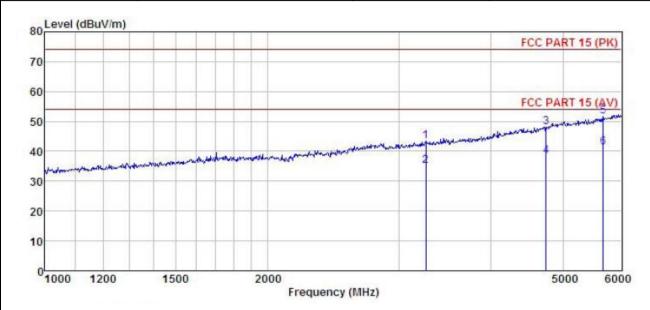
Remark.

- 3. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 4. The emission levels of other frequencies are very lower than the limit and not show in test report.



Above 1GHz:

Product Name:	5 inch 3G Smart Phone	Product Model:	X50
Test By:	Janet	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq		Antenna Factor			Level	Limit Line	Over Limit	Remark
	MHz	dBu∀	dB/m	dB	dB	dBuV/m	dBu∀/m	dB	
1	3264.522	48.54	28.55	5.49	41.39	43.26	74.00	-30.74	Peak
2	3264.522	40.41	28.55	5.49	41.39	35.13	54.00	-18.87	Average
2	4743.276	49.95	30.91	6.83	41.90	48.21	74.00	-25.79	Peak
4	4743.276	40.06	30.91	6.83	41.90	38.32	54.00	-15.68	Average
5	5662.163	50.78	32.63	7.50	41.87	51.74	74.00	-22.26	Peak
6	5662.163	40.39	32.63	7.50	41.87	41.35	54.00	-12.65	Average

Remark:

- 1. Final Level = Receiver Read level + Antenna Factor + Cable Loss Preamplifier Factor.
- 2. The emission levels of other frequencies are very lower than the limit and not show in test report.

74.00 -31.48 Peak 54.00 -19.99 Average

54.00 -16.78 Average

54.00 -12.61 Average

74.00 -29.16 Peak

74.00 -22.36 Peak



5 inch 3G Smart Phone	Product Model:	X50 PC mode Horizontal		
Janet	Test mode:			
1 GHz ~ 6 GHz	Polarization:			
AC 120/60Hz	Environment:	Temp: 24°C Huni: 57°		
"		FCC PART 15 (PK)		
		FCC PART 15 (AV)		
	an water agreement for profession was a sure grand	- James de la companya de la company		
and an individual of the second secon	2			
1500 2000 Fre	quency (MHz)	5000 6000		
ReadAntenna Cable	Preamp Limit Factor Level Line	Over Limit Remark		
	Janet 1 GHz ~ 6 GHz AC 120/60Hz 1500 2000 Free ReadAntenna Cable	Janet Test mode: 1 GHz ~ 6 GHz Polarization: AC 120/60Hz Environment:		

Remark:

1

2

3

4

5

2788.474

2788.474

3904.529

3904.529

5728.659

5728.659

49.19

40.68

48.35

40.73

50.52

40.27

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

28.06

28.06

29.99

29.99

32.65

32.65

The emission levels of other frequencies are very lower than the limit and not show in test report.

5.12

5.12

6.10

6.10

7.69

7.69

41.67

41.67

41.80

41.80

41.94

41.94

42.52

34.01

44.84

37.22

51.64

41.39