

Report No: CCISE190606405

FCC REPORT

Applicant:	SWAGTEK
Address of Applicant:	10205 NW 19th St. Suite 101, Miami, FL, 33172
Equipment Under Test (E	EUT)
Product Name:	5.5 inch 3G Smart Phone
Model No.:	X55G, IRIS, W55G
Trade mark:	LOGIC, iSWAG, UNONU
FCC ID:	O55551919
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B
Date of sample receipt:	19 Jun., 2019
Date of Test:	20 Jun., to 31 Jul., 2019
Date of report issued:	01 Aug., 2019
Test Result:	PASS *

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

Authorized Signature:



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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Version 2

Version No.	Date	Description
00	01 Aug., 2019	Original

Tested by:

Mike.OU Test Engineer

Date:

Date:

01 Aug., 2019

01 Aug., 2019

Reviewed by:

Winner Thang

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



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:	5.5 inch 3G Smart Phone			
Model No.:	X55G, IRIS, W55G			
Power supply:	Rechargeable Li-ion Battery DC 3.7V, 2350mAh			
AC adapter :	Model: ZL-206 Input: AC100-240V, 50/60Hz, 0.25A Output: DC 5.0V, 1A			
Test Sample Condition:	The test samples were provided in good working order with no visible defects.			
Remark:	The model: X55G, IRIS, W55G, were identical inside, the electrical circuit design, layout, components used and internal wiring. X55G model corresponds to the trademark LOGIC. IRIS model correspond to the trademark iSWAG. W55G model corresponds to the trademark UNONU.			

5.3 Test Mode

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



5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC OPTIPLEX745		N/A	DoC
DELL	MONITOR	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	Shielding	1.0m	EUT	PC/Adapter
Detached headset cable	Unshielded	1.2m	EUT	Headset

5.8 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

5.9 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

5.10 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	Version: 6.110919b				
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	
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2019	
Cable	HP	10503A	N/A	03-18-2019	03-17-2020	
EMI Test Software	AUDIX	E3	Version: 6.110919b			



6 Test results and Measurement Data

6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.10	07					
Test Method:	ANSI C63.4:2014						
Test Frequency Range:	150kHz to 30MHz						
Class / Severity:	Class B						
Receiver setup:	RBW=9kHz, VBW=30kHz						
Limit:	Limit (dBu\/)						
	Frequency range (MHz)	Average					
	0.15-0.5	66 to 56*	56 to 46*				
	0.5-5	56	46				
	0.5-30	60	50				
	* Decreases with the logarith	nm of the frequency					
Test setup:	Reference Pla	ne					
Task second up	LISN 40cm 80cm Filter AC power Equipment E.U.T Filter AC power Test table/Insulation plane EMI Receiver 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 environment:	Temp.: 22.5 °C Hur	nid.: 55%	Press.: 101kPa				
Test Instruments:	Refer to section 5.10 for deta	ails	l				
Test mode:	Refer to section 5.3 for detail						
Test results:	Pass						
	1 433						



Measurement data:

Гest by:		5.5 inch 3G Smart Phone			Product model:			X55G		
	М	Mike			Test mode:		PC	PC mode Line		
Test frequency:	1:	50 kHz ~ 3	0 MHz		Phase:					
Fest voltage:	A	C 120 V/60) Hz		Environment:		Ten	np: 22.5℃ Huni:	55%	
1 and 4	10.10									
80 Level (c	aBuv)									
70		_			-					
60								FCC PART15 B QP		
00								CC DADTAS D AV		
50								FCC PART15 B AV		
40 1		4	6		7			10 11		
F V	A.A	MANYAMAN	MANNIN INALL.	M	S SMALL	. I tilullititi		What The		
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10							an den ste fan fi	1		
o										
.15 .2		.5	1		2 ncy (MHz)	5	10	20 30		
Trace: 23					,					
		D 1	TTON	<i>C</i> 11			~			
			LISN Factor	Cable Loss	Level	Limit Line		Remark		
	Freq		ractor	LOSS	TOACT	LINC	TTWIT (Remark		
1	Freq	rever								
<u>1-10-1</u>	Freq MHz	dBuV	<u>d</u> B	ab	 dBuV	 dBuV	āā			
		<u></u>	<u>dB</u> -0.44	 3B 10.77			dB -25.29	 QP		
 1 2	MHz 0.158 0.162	dBuV 29.94 24.24	-0.44 -0.44	10.77 10.77	40.27 34.57	65.56 55.34	-25.29 -20.77	Average		
1 2 3	MHz 0.158 0.162 0.262	dBuV 29.94 24.24 22.61	-0.44 -0.44 -0.39	10.77 10.77 10.75	40.27 34.57 32.97	65.56 55.34 51.38	-25.29 -20.77 -18.41	Average Average		
2 3 4	MHz 0.158 0.162 0.262 0.502	dBuV 29.94 24.24 22.61 28.90	-0.44 -0.44 -0.39 -0.39	10.77 10.77 10.75 10.76	40.27 34.57 32.97 39.27	65.56 55.34 51.38 56.00	-25.29 -20.77 -18.41 -16.73	Average Average QP		
2 3 4 5	MHz 0.158 0.162 0.262 0.502 0.502	dBuV 29.94 24.24 22.61 28.90 19.80	-0.44 -0.44 -0.39 -0.39 -0.39	10.77 10.77 10.75 10.76 10.76	40.27 34.57 32.97 39.27 30.17	65.56 55.34 51.38 56.00 46.00	-25.29 -20.77 -18.41 -16.73 -15.83	Average Average QP Average		
2 3 4 5 6	MHz 0.158 0.162 0.262 0.502 0.502 0.502 0.963	dBuV 29.94 24.24 22.61 28.90 19.80 26.32	-0.44 -0.44 -0.39 -0.39 -0.39 -0.39 -0.38	10.77 10.77 10.75 10.76 10.76 10.86	40.27 34.57 32.97 39.27 30.17 36.80	65.56 55.34 51.38 56.00 46.00 56.00	-25.29 -20.77 -18.41 -16.73 -15.83 -19.20	Average Average QP Average QP		
2 3 4 5 6 7	MHz 0.158 0.162 0.262 0.502 0.502 0.963 2.513	dBuV 29.94 24.24 22.61 28.90 19.80 26.32 30.11	-0.44 -0.44 -0.39 -0.39 -0.39 -0.38 -0.43	10.77 10.77 10.75 10.76 10.76 10.86 10.94	40.27 34.57 32.97 39.27 30.17 36.80 40.62	65.56 55.34 51.38 56.00 46.00 56.00 56.00	-25.29 -20.77 -18.41 -16.73 -15.83 -19.20 -15.38	Average Average QP Average QP QP		
2 3 4 5 6 7	MHz 0. 158 0. 162 0. 262 0. 502 0. 502 0. 963 2. 513 2. 721	dBuV 29.94 24.24 22.61 28.90 19.80 26.32 30.11 21.63	-0.44 -0.44 -0.39 -0.39 -0.39 -0.38 -0.43 -0.43	10.77 10.75 10.75 10.76 10.76 10.86 10.94 10.93	40.27 34.57 32.97 39.27 30.17 36.80 40.62 32.13	65.56 55.34 51.38 56.00 46.00 56.00 56.00 46.00	-25.29 -20.77 -18.41 -16.73 -15.83 -19.20 -15.38 -13.87	Average Average QP Average QP QP Average		
2 3 4 5 6 7 8 9	MHz 0.158 0.162 0.262 0.502 0.502 0.963 2.513 2.721 9.809	dBuV 29.94 24.24 22.61 28.90 19.80 26.32 30.11 21.63 22.06	-0.44 -0.44 -0.39 -0.39 -0.39 -0.38 -0.43 -0.43 -0.43	10.77 10.75 10.75 10.76 10.76 10.86 10.94 10.93 10.93	40.27 34.57 32.97 39.27 30.17 36.80 40.62 32.13 32.38	65.56 55.34 51.38 56.00 46.00 56.00 56.00 46.00 50.00	-25.29 -20.77 -18.41 -16.73 -15.83 -19.20 -15.38 -13.87 -17.62	Average Average QP QP QP Average Average		
2 3 4 5 6 7 8 9 10 1	MHz 0. 158 0. 162 0. 262 0. 502 0. 502 0. 963 2. 513 2. 721 9. 809 8. 622	dBuV 29.94 24.24 22.61 28.90 19.80 26.32 30.11 21.63 22.06 30.55	-0.44 -0.44 -0.39 -0.39 -0.39 -0.38 -0.43 -0.43 -0.61 -0.90	10.77 10.75 10.76 10.76 10.86 10.94 10.93 10.93 10.92	40.27 34.57 32.97 39.27 30.17 36.80 40.62 32.13 32.38 40.57	65.56 55.34 51.38 56.00 46.00 56.00 46.00 50.00 60.00	-25.29 -20.77 -18.41 -16.73 -15.83 -19.20 -15.38 -13.87 -17.62 -19.43	Average Average QP QP QP Average Average QP		
2 3 4 5 6 7 8 9 10 1 11 2	MHz 0. 158 0. 162 0. 262 0. 502 0. 502 0. 963 2. 513 2. 721 9. 809 8. 622 23. 140	dBuV 29.94 24.24 22.61 28.90 19.80 26.32 30.11 21.63 22.06 30.55 28.90	-0.44 -0.39 -0.39 -0.39 -0.38 -0.43 -0.43 -0.61 -0.90 -1.02	10.77 10.75 10.76 10.76 10.86 10.94 10.93 10.93 10.92 10.89	40.27 34.57 32.97 39.27 30.17 36.80 40.62 32.13 32.38 40.57 38.77	65.56 55.34 51.38 56.00 46.00 56.00 46.00 50.00 60.00 60.00	-25.29 -20.77 -18.41 -16.73 -15.83 -19.20 -15.38 -13.87 -17.62 -19.43 -21.23	Average Average QP Average QP QP Average Average QP QP		
2 3 4 5 6 7 8 9 10 1 11 2	MHz 0. 158 0. 162 0. 262 0. 502 0. 502 0. 963 2. 513 2. 721 9. 809 8. 622	dBuV 29.94 24.24 22.61 28.90 19.80 26.32 30.11 21.63 22.06 30.55	-0.44 -0.44 -0.39 -0.39 -0.39 -0.38 -0.43 -0.43 -0.61 -0.90	10.77 10.75 10.76 10.76 10.86 10.94 10.93 10.93 10.92	40.27 34.57 32.97 39.27 30.17 36.80 40.62 32.13 32.38 40.57	65.56 55.34 51.38 56.00 46.00 56.00 46.00 50.00 60.00 60.00	-25.29 -20.77 -18.41 -16.73 -15.83 -19.20 -15.38 -13.87 -17.62 -19.43 -21.23	Average Average QP QP QP Average Average QP		

3. Final Level =Receiver Read level + LISN Factor + Cable Loss.



Product name:	5.5	5.5 inch 3G Smart Phone Product model: Mike Test mode:		n 3G Smart Phone Product model:		X55G PC mode			
Test by:	Mik								
Test frequency:	150) kHz ~ 30	MHz	Pł	Phase: Environment:		Neutral		
Test voltage:	AC	120 V/60	Hz	Er			Temp:	22.5 ℃	Huni: 55%
80 Leve	l (dBuV)								F
70									
60							FCC	PART15 B QP	
							FCC	PART15 B AV	
50					7				
40 m	1	mellens		5 /	myline			10 11	
and h	Mr. Jun .	WWW 3	Why while.	1	1 Nu			AN AT	
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	- Alter		V W	1 1	U V				
10									
									12
.15	.2	.5	1	2 Frequency	(MHz)	5	10	20 3	30
.15 Trace: 21	.2	.5	1	2 Frequency	(MHz)	5	10	20 3	30
	.2			Frequency	(MHz)			20 3	30
		Read	LISN	Frequency		Limit	Over		80
	.2 Freq	Read		Frequency	(MHz) Level		Over	20 3 Remark	80
	Freq	Read Level	LISN Factor	Frequency Cable Loss	Level	Limit Line	Over Limit		
		Read	LISN	Frequency		Limit	Over		
Trace: 21	Freq MHz 0.262	Read Level dBuV 29.31	LISN Factor dB -0.65	Frequency Cable Loss dB 10.75	Level 	Limit Line dBuV 61.38	Over Limit dB -21.97	Remark 	
Trace: 21	Freq MHz 0.262 0.262	Read Level dBuV 29.31 23.89	LISN Factor 	Frequency Cable Loss dB 10.75 10.75	Level dBuV 39.41 33.99	Limit Line 	Over Limit 	Remark QP Average	
Trace: 21	Freq MHz 0.262 0.262 0.471	Read Level dBuV 29.31 23.89 20.27	LISN Factor dB -0.65 -0.65 -0.65	Frequency Cable Loss dB 10.75 10.75 10.75	Level dBuV 39.41 33.99 30.37	Limit Line dBuV 61.38 51.38 46.49	Over Limit 	Remark QP Average Average	
Trace: 21	Freq MHz 0.262 0.262 0.471 0.502	Read Level dBuV 29.31 23.89 20.27 30.82	LISN Factor dB -0.65 -0.65 -0.65 -0.65	Frequency Cable Loss dB 10.75 10.75 10.75 10.75 10.76	Level dBuV 39.41 33.99 30.37 40.93	Limit Line dBuV 61.38 51.38 46.49 56.00	Over Limit dB -21.97 -17.39 -16.12 -15.07	Remark QP Average Average QP	
Trace: 21 1 2 3 4 5	Freq MHz 0.262 0.262 0.471 0.502 1.654	Read Level dBuV 29.31 23.89 20.27 30.82 27.04	LISN Factor -0.65 -0.65 -0.65 -0.65 -0.65 -0.65	Frequency Cable Loss dB 10.75 10.75 10.75 10.75 10.76 10.94	Level dBuV 39.41 33.99 30.37 40.93 37.32	Limit Line dBuV 61.38 51.38 46.49 56.00 56.00	Over Limit dB -21.97 -17.39 -16.12 -15.07 -18.68	Remark QP Average Average QP QP	
Trace: 21 1 2 3 4 5 6	Freq MHz 0.262 0.262 0.471 0.502	Read Level dBuV 29.31 23.89 20.27 30.82	LISN Factor dB -0.65 -0.65 -0.65 -0.65 -0.65 -0.65	Frequency Cable Loss dB 10.75 10.75 10.75 10.75 10.76	Level dBuV 39.41 33.99 30.37 40.93	Limit Line dBuV 61.38 51.38 46.49 56.00 56.00 46.00	Over Limit dB -21.97 -17.39 -16.12 -15.07 -18.68	Remark QP Average Average QP QP Average	
Trace: 21	Freq 0.262 0.262 0.471 0.502 1.654 1.654 2.707 2.707	Read Level dBuV 29.31 23.89 20.27 30.82 27.04 17.66 31.34 22.01	LISN Factor dB -0.65 -0.65 -0.65 -0.65 -0.66 -0.66	Frequency Cable Loss dB 10.75 10.75 10.75 10.75 10.76 10.94 10.94	Level dBuV 39.41 33.99 30.37 40.93 37.32 27.94	Limit Line dBuV 61.38 51.38 46.49 56.00 56.00 46.00 56.00 46.00	Over Limit 	Remark QP Average Average QP QP Average QP Average QP	
Trace: 21 1 2 3 4 5 6 7 8 9	Freq 0.262 0.262 0.471 0.502 1.654 1.654 2.707 2.707 16.839	Read Level dBuV 29.31 23.89 20.27 30.82 27.04 17.66 31.34 22.01 21.21	LISN Factor dB -0.65 -0.65 -0.65 -0.65 -0.66 -0.66 -0.67 -0.67 -1.05	Frequency Cable Loss dB 10.75 10.75 10.75 10.76 10.94 10.94 10.93 10.93 10.91	Level dBuV 39.41 33.99 30.37 40.93 37.32 27.94 41.60 32.27 31.07	Limit Line dBuV 61.38 51.38 46.49 56.00 56.00 46.00 56.00 46.00 50.00	Over Limit -21.97 -17.39 -16.12 -15.07 -18.68 -18.06 -14.40 -13.73 -18.93	Remark QP Average QP QP Average QP Average QP Average Average	
Trace: 21	Freq 0.262 0.262 0.471 0.502 1.654 1.654 2.707 2.707 16.839 18.039	Read Level dBuV 29.31 23.89 20.27 30.82 27.04 17.66 31.34 22.01 21.21 29.72	LISN Factor dB -0.65 -0.65 -0.65 -0.65 -0.65 -0.66 -0.66 -0.67 -0.67 -1.05 -1.19	Frequency Cable Loss dB 10.75 10.75 10.75 10.76 10.94 10.94 10.93 10.93 10.91 10.92	Level dBuV 39.41 33.99 30.37 40.93 37.32 27.94 41.60 32.27 31.07 39.45	Limit Line dBuV 61.38 51.38 46.49 56.00 56.00 46.00 56.00 46.00 50.00 60.00	Over Limit dB -21.97 -17.39 -16.12 -15.07 -18.68 -18.06 -14.40 -13.73 -18.93 -20.55	Remark QP Average QP QP Average QP Average Average QP	
Trace: 21	Freq 0.262 0.262 0.471 0.502 1.654 1.654 2.707 2.707 16.839	Read Level dBuV 29.31 23.89 20.27 30.82 27.04 17.66 31.34 22.01 21.21	LISN Factor dB -0.65 -0.65 -0.65 -0.65 -0.66 -0.66 -0.67 -0.67 -1.05	Frequency Cable Loss dB 10.75 10.75 10.75 10.76 10.94 10.94 10.93 10.93 10.91	Level dBuV 39.41 33.99 30.37 40.93 37.32 27.94 41.60 32.27 31.07	Limit Line dBuV 61.38 51.38 46.49 56.00 56.00 46.00 56.00 46.00 50.00 60.00 60.00	Over Limit -21.97 -17.39 -16.12 -15.07 -18.68 -18.06 -14.40 -13.73 -18.93 -20.55 -21.77	Remark QP Average QP QP Average QP Average Average QP	, 30

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.



6.2 Radiated Emission

Test Requirement:	FCC Part 15 B Section 15.109						
Test Method:	ANSI C63.4:2014						
Test Frequency Range:	30MHz to 6000MHz						
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)						
Receiver setup:	Frequency Detector RBW VBW Remark						
· ·					Quasi-peak Value		
	Above 1GHz Peak 1MHz 3MHz					Peak Value	
		RMS 1MHz 3MHz Average V					
Limit:		Frequency Limit (dBuV/m @3m) Remarl 30MHz-88MHz 40.0 Quasi-peak					
				<u>40.0</u> 43.5		Quasi-peak Value	
	88MHz-216I 216MHz-960			43.5		Quasi-peak Value Quasi-peak Value	
	960MHz-10			<u> </u>		Quasi-peak Value	
	90010172-10			<u> </u>		Average Value	
	Above 1G	Hz		74.0		Peak Value	
Test setup:	Below 1GHz				Antenna Tower		
	Antenna Tower Search Antenna FUT Tum O.8m Table Amount Ground Plane Above 1GHz						
	Horn Antenna Tower Horn Antenna Tower Horn Antenna Tower Ground Reference Plane Test Receiver						

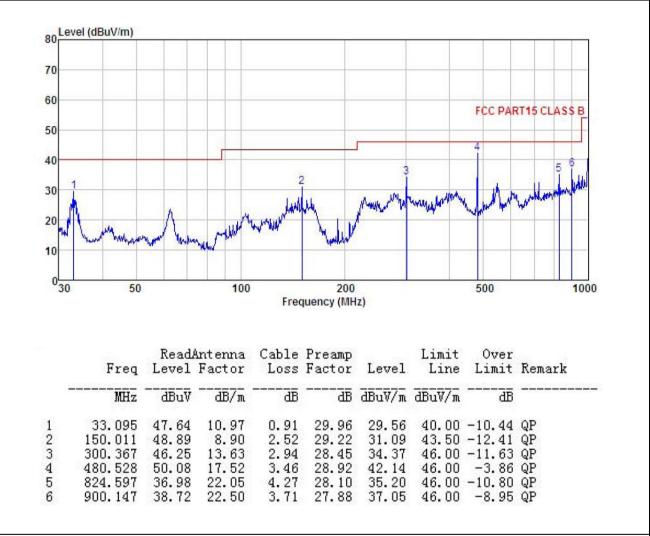


Test Procedure:	 The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotate 360 degrees to determine the position of the highest radiation. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. The antenna height is varied from one meter to four meters above th ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make t measurement. For each suspected emission, the EUT was arranged to its worst ca 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 environment:	Temp.:	24 °C	Humid.:	57%	Press.:	1 01kPa
Test Instruments:	Refer to section 5.10 for details					
Test mode:	Refer to se	ection 5.3 for	details			
Test results:	Passed					
Remark:	All of the on no recorde		ue above 6G	Hz ware the	niose floo	r, which were



Measurement Data:

Product Name:	5.5 inch 3G Smart Phone	Product Model:	X55G
Test By:	Mike	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%

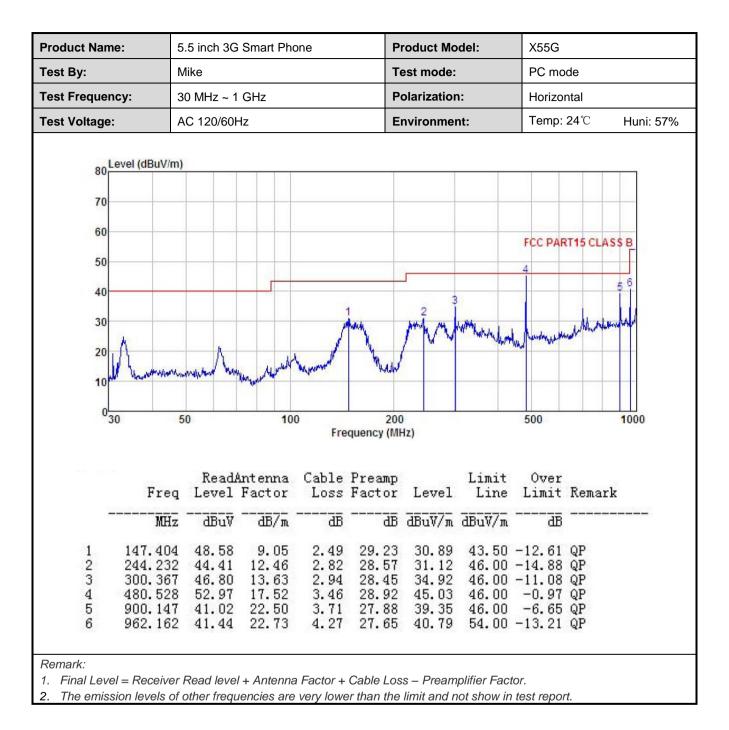


Remark:

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.

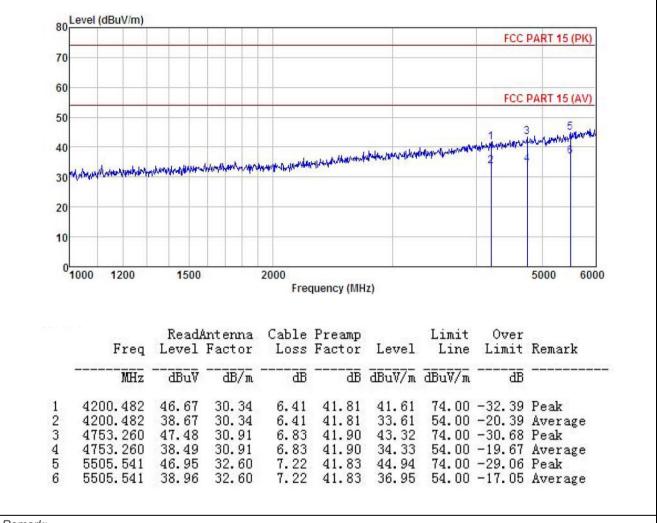






Above 1GHz:

Product Name:	5.5 inch 3G Smart Phone	Product Model:	X55G
Test By:	Mike	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



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.



