

# FCC REPORT

**Applicant:** SWAGTEK

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

**Equipment Under Test (EUT)**

Product Name: 6.1 inch 3G Smart Phone

Model No.: X61, W61, SPYRO

Trade mark: LOGIC, iSWAG, UNONU

**FCC ID:** O55613720

**Applicable standards:** FCC CFR Title 47 Part 15 Subpart B

**Date of sample receipt:** 29 Oct., 2020

**Date of Test:** 30 Oct., to 26 Nov., 2020

**Date of report issued:** 30 Nov., 2020

**Test Result:** PASS \*

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

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 JYT product certification mark. The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report.

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**2 Version**

Version No.	Date	Description
00	30 Nov., 2020	Original

**Tested by:**Mike.ou  
**Test Engineer****Date:**30 Nov., 2020**Reviewed by:**Winner Zhang  
**Project Engineer****Date:**30 Nov., 2020

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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
<b>Remark:</b> 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:	6.1 inch 3G Smart Phone
Model No.:	X61, W61, SPYRO
Power supply:	Rechargeable Li-ion Battery DC3.8V-2950mAh
AC adapter:	Model: MST-0501000F Input: AC100-240V, 50/60Hz, 0.2A Output: DC 5.0V, 1000mA
Remark:	Model No.: X61, W61, SPYRO, were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being trademark. LOGIC is for X61. iSWAG is for SPYRO. UNONU is for W61.
Test Sample Condition:	The test samples were provided in good working order with no visible defects.

### 5.3 Test Mode and

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)	±5.16 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±3.20 dB (k=2)

### 5.5 Description of Support Units

Manufacturer	Description	Model	Serial Number	FCC ID/DoC
DELL	PC	OPTIPLEX7070	2J8XSZ2	DoC
DELL	MONITOR	SE2018HR	3M7QPY2	DoC
DELL	KEYBOARD	KB216d	N/A	DoC
DELL	MOUSE	MS116t1	N/A	DoC
HP	Printer	HP LaserJet P1007	VNFP409729	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	To
Detached USB Cable	Shielding	0.83m	EUT	PC/Adapter
Detached headset Cable	Unshielded	1.22m	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**  
JianYan Testing Group Shenzhen 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 JianYan Testing Group Shenzhen Co., Ltd. has been Registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 10106A-1.
- **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

JianYan Testing Group Shenzhen Co., Ltd.  
 Address: No.110~116, Building B, Jinyuan Business Building, 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>

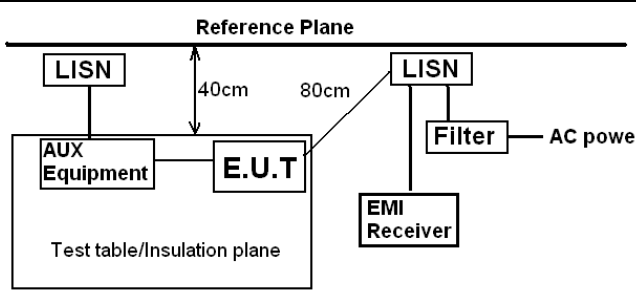
## 5.11 Test Instruments list

<b>Radiated Emission:</b>					
<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Cal. Date (mm-dd-yy)</b>	<b>Cal. Due date (mm-dd-yy)</b>
3m SAC	SAEMC	9m*6m*6m	966	07-22-2020	07-21-2021
Loop Antenna	SCHWARZBECK	FMZB1519B	00044	03-07-2020	03-06-2021
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-07-2020	03-06-2021
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2020	06-21-2021
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020
				11-18-2020	11-17-2021
EMI Test Software	AUDIX	E3	Version: 6.110919b		
Pre-amplifier	HP	8447D	2944A09358	03-07-2020	03-06-2021
Pre-amplifier	CD	PAP-1G18	11804	03-07-2020	03-06-2021
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-05-2020	03-04-2021
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020
				11-18-2020	11-17-2021
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-05-2020	03-04-2021
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2020	03-06-2021
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2020	03-06-2021
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2020	03-06-2021

<b>Conducted Emission:</b>					
<b>Test Equipment</b>	<b>Manufacturer</b>	<b>Model No.</b>	<b>Serial No.</b>	<b>Cal. Date (mm-dd-yy)</b>	<b>Cal. Due date (mm-dd-yy)</b>
EMI Test Receiver	Rohde & Schwarz	ESCI	101189	03-05-2020	03-04-2021
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-05-2020	03-04-2021
LISN	CHASE	MN2050D	1447	03-05-2020	03-04-2021
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2020	07-20-2021
Cable	HP	10503A	N/A	03-05-2020	03-04-2021
EMI Test Software	AUDIX	E3	Version: 6.110919b		

## 6 Test results and Measurement Data

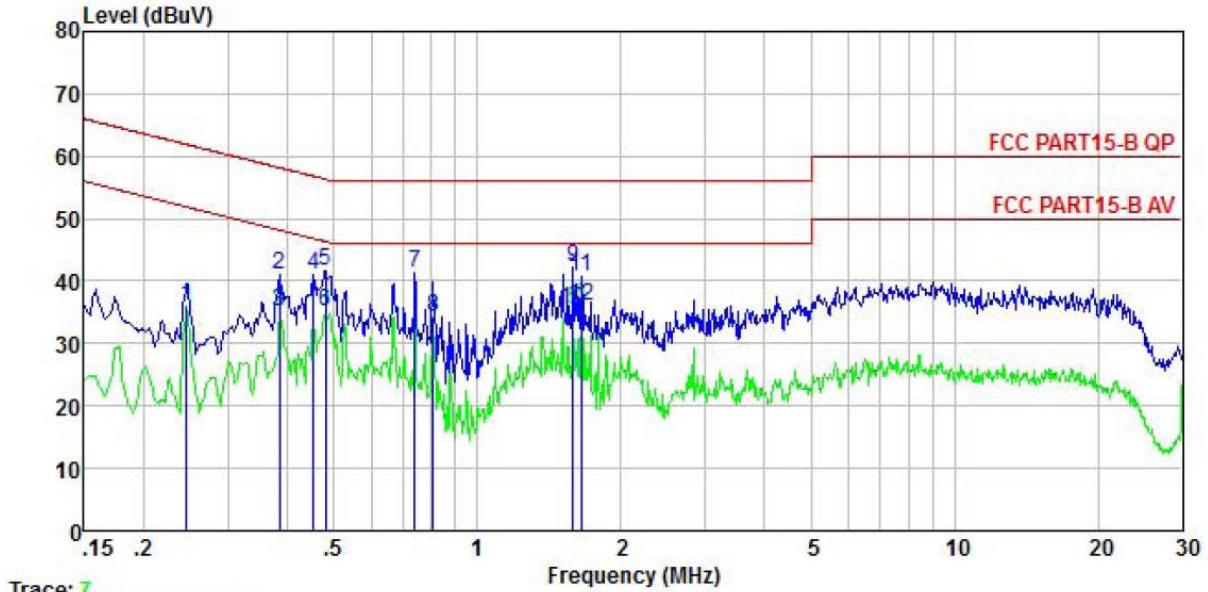
### 6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.107		
Test Frequency Range:	150kHz to 30MHz		
Class / Severity:	Class B		
Receiver setup:	RBW=9kHz, VBW=30kHz		
Limit:	Frequency range (MHz)	Limit (dB $\mu$ V)	
		Quasi-peak	Average
	0.15-0.5	66 to 56*	56 to 46*
	0.5-5	56	46
	0.5-30	60	50
* Decreases with the logarithm of the frequency.			
Test setup:	 <p>Remark:                      E.U.T: Equipment Under Test                      LISN: Line Impedance Stabilization Network                      Test table height=0.8m</p>		
Test procedure	<ol style="list-style-type: none"> <li>1. 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.</li> <li>2. 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).</li> <li>3. 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(latest version) on conducted measurement.</li> </ol>		
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:	6.1 inch 3G Smart Phone	Product model:	X61
Test by:	Mike	Test mode:	PC mode
Test frequency:	150 kHz ~ 30 MHz	Phase:	Line
Test voltage:	AC 120 V/60 Hz	Environment:	Temp: 22.5°C Huni: 55%



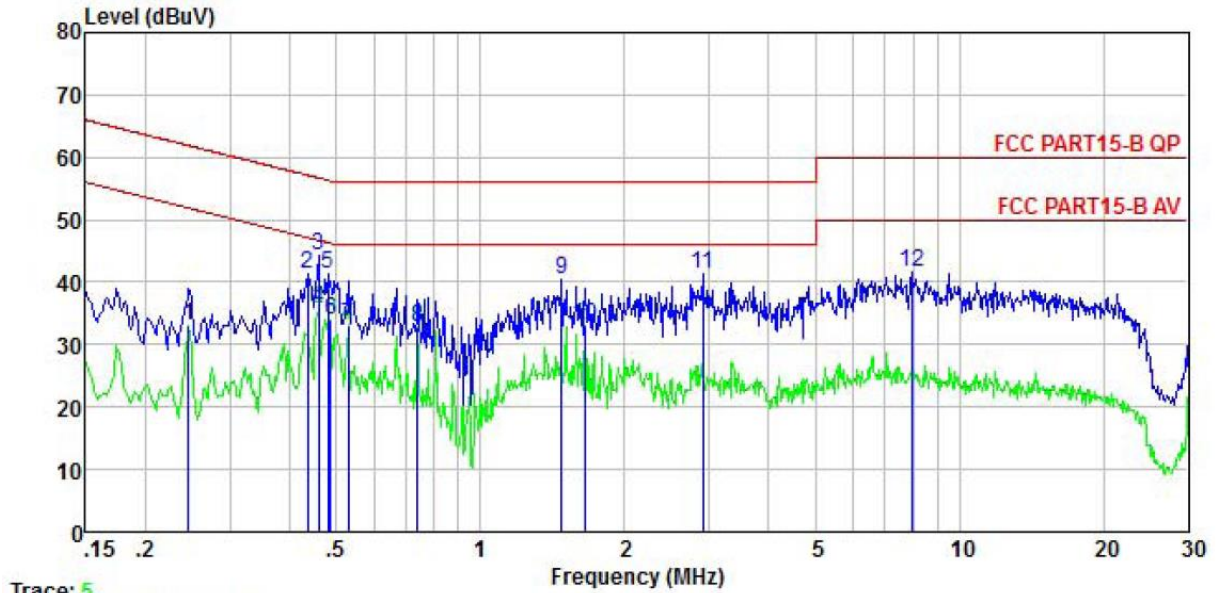
Trace: 7

	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.246	26.12	-0.57	-0.21	10.75	36.09	51.91	-15.82	Average
2	0.385	30.34	-0.49	0.33	10.72	40.90	58.17	-17.27	QP
3	0.385	24.68	-0.49	0.33	10.72	35.24	48.17	-12.93	Average
4	0.454	30.82	-0.45	-0.01	10.74	41.10	56.80	-15.70	QP
5	0.481	31.69	-0.44	-0.24	10.75	41.76	56.32	-14.56	QP
6	0.481	25.01	-0.44	-0.24	10.75	35.08	46.32	-11.24	Average
7	0.739	31.25	-0.54	-0.28	10.79	41.22	56.00	-14.78	QP
8	0.809	23.98	-0.57	-0.05	10.81	34.17	46.00	-11.83	Average
9	1.585	31.86	-0.55	-0.05	10.93	42.19	56.00	-13.81	QP
10	1.585	25.11	-0.55	-0.05	10.93	35.44	46.00	-10.56	Average
11	1.654	30.47	-0.54	-0.11	10.94	40.76	56.00	-15.24	QP
12	1.654	25.74	-0.54	-0.11	10.94	36.03	46.00	-9.97	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.

<b>Product name:</b>	6.1 inch 3G Smart Phone	<b>Product model:</b>	X61
<b>Test by:</b>	Mike	<b>Test mode:</b>	PC mode
<b>Test frequency:</b>	150 kHz ~ 30 MHz	<b>Phase:</b>	Neutral
<b>Test voltage:</b>	AC 120 V/60 Hz	<b>Environment:</b>	Temp: 22.5°C Humi: 55%

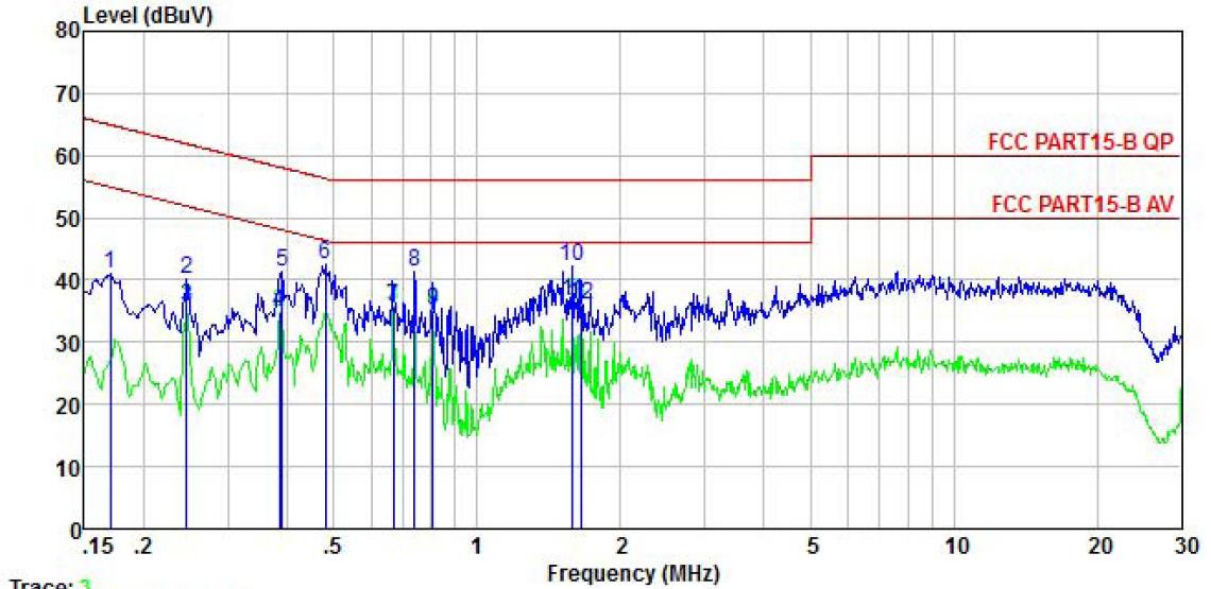


	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.246	22.86	-0.67	0.01	10.75	32.95	51.91	-18.96	Average
2	0.435	31.17	-0.64	-0.03	10.73	41.23	57.15	-15.92	QP
3	0.459	34.16	-0.64	0.00	10.74	44.26	56.71	-12.45	QP
4	0.459	25.74	-0.64	0.00	10.74	35.84	46.71	-10.87	Average
5	0.481	31.21	-0.65	0.02	10.75	41.33	56.32	-14.99	QP
6	0.486	23.94	-0.65	0.02	10.76	34.07	46.23	-12.16	Average
7	0.529	22.91	-0.65	0.03	10.76	33.05	46.00	-12.95	Average
8	0.739	22.70	-0.65	0.05	10.79	32.89	46.00	-13.11	Average
9	1.480	30.07	-0.70	0.13	10.92	40.42	56.00	-15.58	QP
10	1.654	22.57	-0.70	0.15	10.94	32.96	46.00	-13.04	Average
11	2.915	30.84	-0.65	0.30	10.92	41.41	56.00	-14.59	QP
12	7.935	30.44	-0.76	1.03	10.85	41.56	60.00	-18.44	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.

<b>Product name:</b>	6.1 inch 3G Smart Phone	<b>Product model:</b>	X61
<b>Test by:</b>	Mike	<b>Test mode:</b>	Charging & Recording mode
<b>Test frequency:</b>	150 kHz ~ 30 MHz	<b>Phase:</b>	Line
<b>Test voltage:</b>	AC 120 V/60 Hz	<b>Environment:</b>	Temp: 22.5°C Humi: 55%



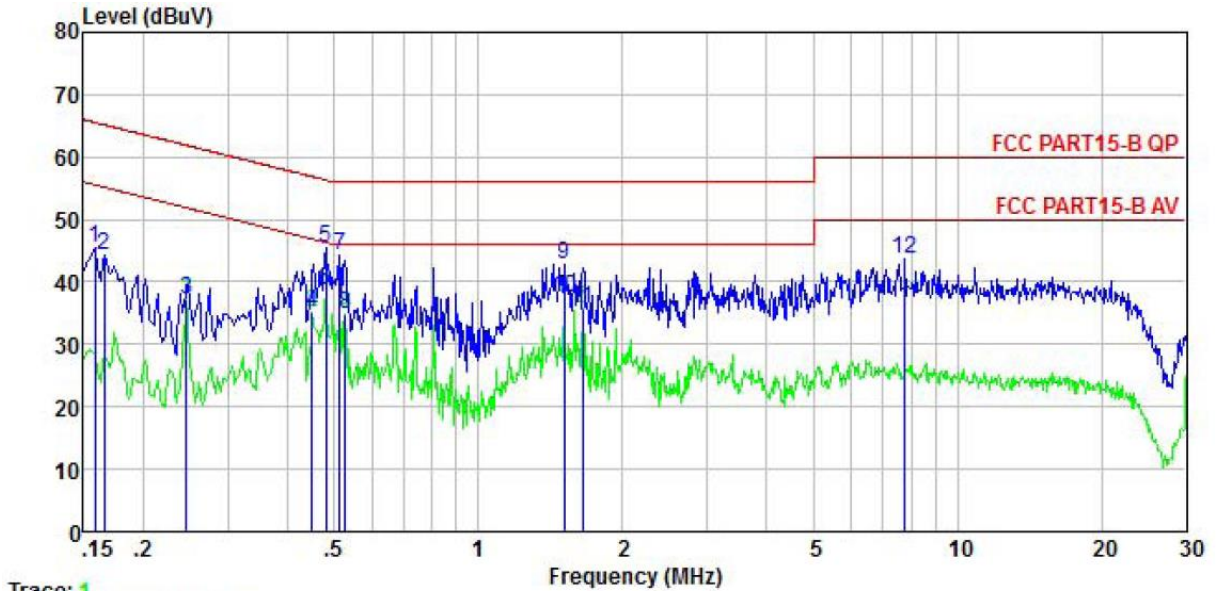
	Read Freq	LISN Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.170	30.82	-0.58	-0.10	10.77	40.91	64.94	-24.03	QP
2	0.246	30.32	-0.57	-0.21	10.75	40.29	61.91	-21.62	QP
3	0.246	25.61	-0.57	-0.21	10.75	35.58	51.91	-16.33	Average
4	0.385	24.28	-0.49	0.33	10.72	34.84	48.17	-13.33	Average
5	0.389	30.66	-0.49	0.34	10.72	41.23	58.08	-16.85	QP
6	0.481	32.35	-0.44	-0.24	10.75	42.42	56.32	-13.90	QP
7	0.668	25.76	-0.52	-0.39	10.77	35.62	46.00	-10.38	Average
8	0.739	31.24	-0.54	-0.28	10.79	41.21	56.00	-14.79	QP
9	0.809	24.79	-0.57	-0.05	10.81	34.98	46.00	-11.02	Average
10	1.585	31.75	-0.55	-0.05	10.93	42.08	56.00	-13.92	QP
11	1.585	26.17	-0.55	-0.05	10.93	36.50	46.00	-9.50	Average
12	1.654	25.73	-0.54	-0.11	10.94	36.02	46.00	-9.98	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.



<b>Product name:</b>	6.1 inch 3G Smart Phone	<b>Product model:</b>	X61
<b>Test by:</b>	Mike	<b>Test mode:</b>	Charging & Recording mode
<b>Test frequency:</b>	150 kHz ~ 30 MHz	<b>Phase:</b>	Neutral
<b>Test voltage:</b>	AC 120 V/60 Hz	<b>Environment:</b>	Temp: 22.5°C Humi: 55%



Trace: 1

	Freq	Read Level	LISN Factor	Aux Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB	dB	dB	dBuV	dBuV	dB	
1	0.158	35.24	-0.69	0.01	10.77	45.33	65.56	-20.23	QP
2	0.166	34.32	-0.68	0.01	10.77	44.42	65.16	-20.74	QP
3	0.246	27.24	-0.67	0.01	10.75	37.33	51.91	-14.58	Average
4	0.449	25.18	-0.64	-0.01	10.74	35.27	46.89	-11.62	Average
5	0.481	35.29	-0.65	0.02	10.75	45.41	56.32	-10.91	QP
6	0.481	28.56	-0.65	0.02	10.75	38.68	46.32	-7.64	Average
7	0.513	34.05	-0.65	0.03	10.76	44.19	56.00	-11.81	QP
8	0.527	24.77	-0.65	0.03	10.76	34.91	46.00	-11.09	Average
9	1.511	32.57	-0.70	0.13	10.92	42.92	56.00	-13.08	QP
10	1.511	27.01	-0.70	0.13	10.92	37.36	46.00	-8.64	Average
11	1.654	25.41	-0.70	0.15	10.94	35.80	46.00	-10.20	Average
12	7.769	32.65	-0.76	0.99	10.84	43.72	60.00	-16.28	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.

## 6.2 Radiated Emission

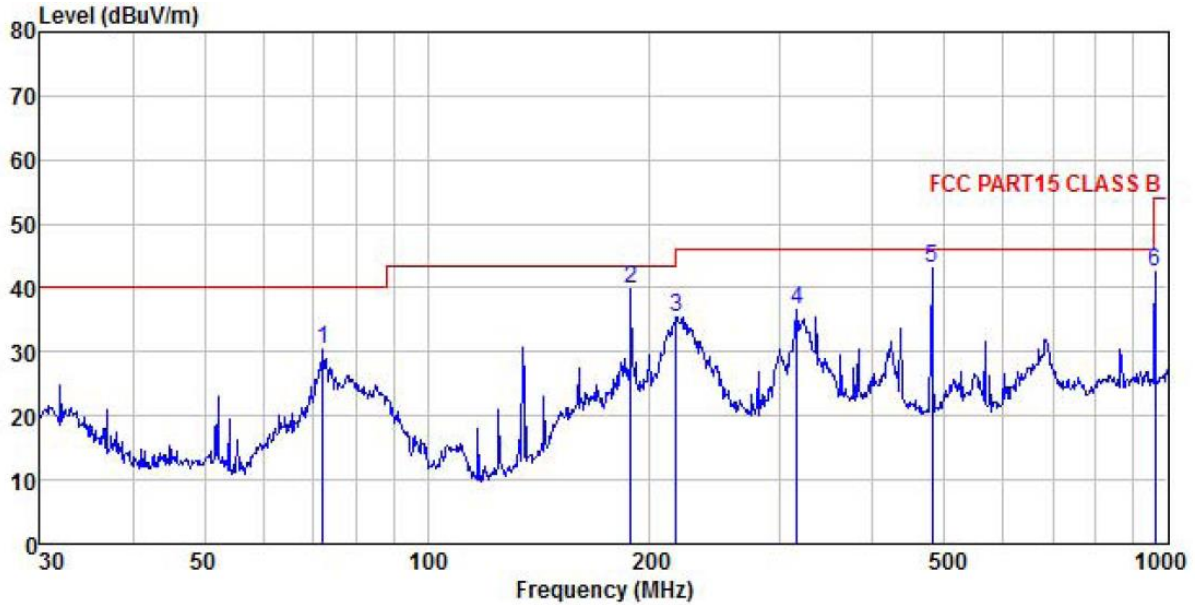
Test Requirement:	FCC Part 15 B Section 15.109				
Test Frequency Range:	30MHz to 6000MHz				
Test site:	Measurement Distance: 3m (Semi-Anechoic Chamber)				
Receiver setup:	Frequency	Detector	RBW	VBW	Remark
	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak Value
	Above 1GHz	Peak RMS	1MHz 1MHz	3MHz 3MHz	Peak Value Average Value
Limit:	Frequency	Limit (dBuV/m @3m)		Remark	
	30MHz-88MHz	40.0		Quasi-peak Value	
	88MHz-216MHz	43.5		Quasi-peak Value	
	216MHz-960MHz	46.0		Quasi-peak Value	
	960MHz-1GHz	54.0		Quasi-peak Value	
Above 1GHz	54.0		Average Value		
	74.0		Peak Value		
Test setup:	Below 1GHz				
Test setup:	Above 1GHz				
Test Procedure:	<ol style="list-style-type: none"> <li>1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.</li> <li>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.</li> <li>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.</li> </ol>				

	<p>4. 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.</p> <p>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</p> <p>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.</p>
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:	6.1 inch 3G Smart Phone	Product Model:	X61
Test By:	Mike	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Humi: 57%

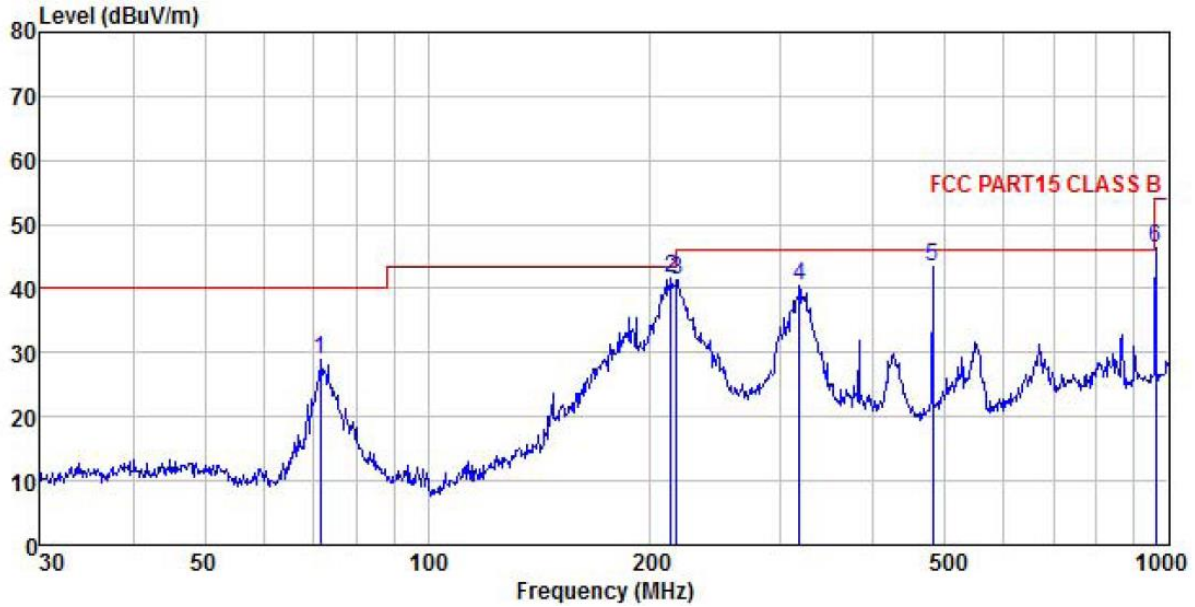


	Read Freq	Antenna Level	Cable Factor	Loss	Aux Factor	Preamp Factor	Level	Limit	Over	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	72.338	48.90	10.76	0.45	0.00	29.70	30.41	40.00	-9.59	QP
2	188.413	50.62	17.34	0.70	0.00	28.91	39.75	43.50	-3.75	QP
3	216.783	44.95	18.37	0.74	0.00	28.73	35.33	46.00	-10.67	QP
4	315.481	45.38	18.73	0.88	0.00	28.49	36.50	46.00	-9.50	QP
5	480.528	51.49	19.33	1.08	0.00	28.92	42.98	46.00	-3.02	QP
6	962.162	45.58	22.88	1.57	0.00	27.65	42.38	54.00	-11.62	QP

Remark:

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The Aux Factor is a notch filter switch box loss, this item is not used.

<b>Product Name:</b>	6.1 inch 3G Smart Phone	<b>Product Model:</b>	X61
<b>Test By:</b>	Mike	<b>Test mode:</b>	PC mode
<b>Test Frequency:</b>	30 MHz ~ 1 GHz	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	AC 120/60Hz	<b>Environment:</b>	Temp: 24℃ Humi: 57%



	ReadAntenna	Cable	Aux	Preamp	Limit	Over		
Freq	Level	Loss	Factor	Factor	Line	Limit	Remark	
MHz	dBuV	dB/m	dB	dB	dBuV/m	dBuV/m	dB	
1	71.581	47.59	10.54	0.45	0.00	29.71	28.87	40.00 -11.13 QP
2	213.015	51.40	18.36	0.73	0.00	28.75	41.74	43.50 -1.76 QP
3	216.783	50.97	18.37	0.74	0.00	28.73	41.35	46.00 -4.65 QP
4	317.701	49.19	18.74	0.89	0.00	28.49	40.33	46.00 -5.67 QP
5	480.528	51.95	19.33	1.08	0.00	28.92	43.44	46.00 -2.56 QP
6	962.162	49.45	22.88	1.57	0.00	27.65	46.25	54.00 -7.75 QP

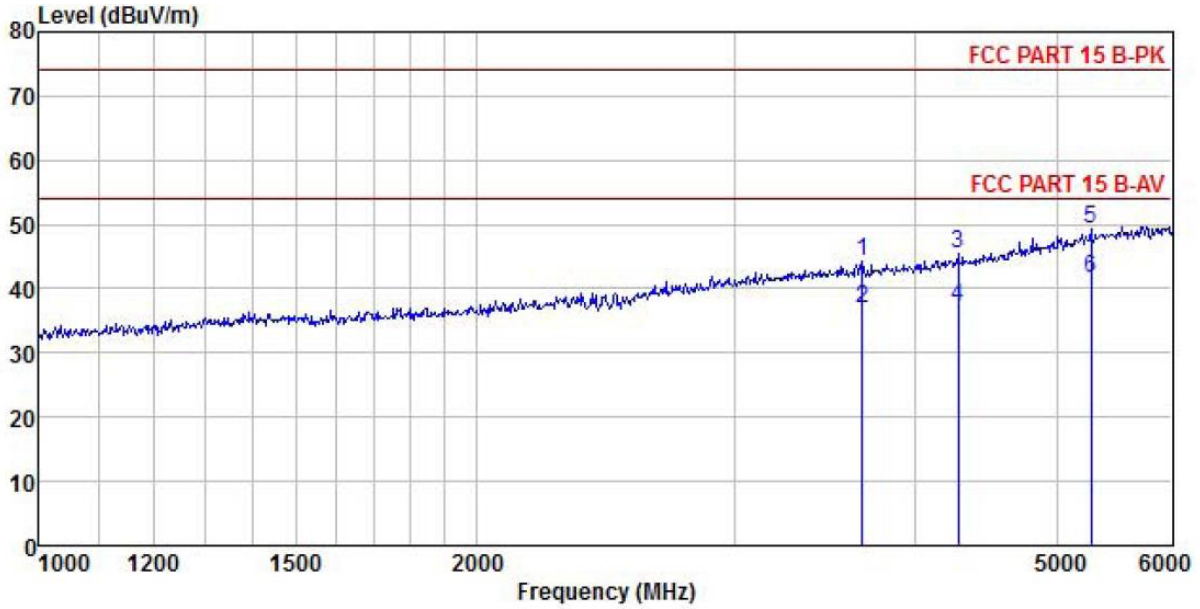
**Remark:**

1. Final Level = Receiver Read level + Antenna Factor + Cable Loss – Pre-amplifier Factor.
2. The emission levels of other frequencies are very lower than the limit and not show in test report.
3. The Aux Factor is a notch filter switch box loss, this item is not used.



**Above 1GHz:**

<b>Product Name:</b>	6.1 inch 3G Smart Phone	<b>Product Model:</b>	X61
<b>Test By:</b>	Mike	<b>Test mode:</b>	PC mode
<b>Test Frequency:</b>	1 GHz ~ 6 GHz	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	AC 120/60Hz	<b>Environment:</b>	Temp: 24°C Humi: 57%

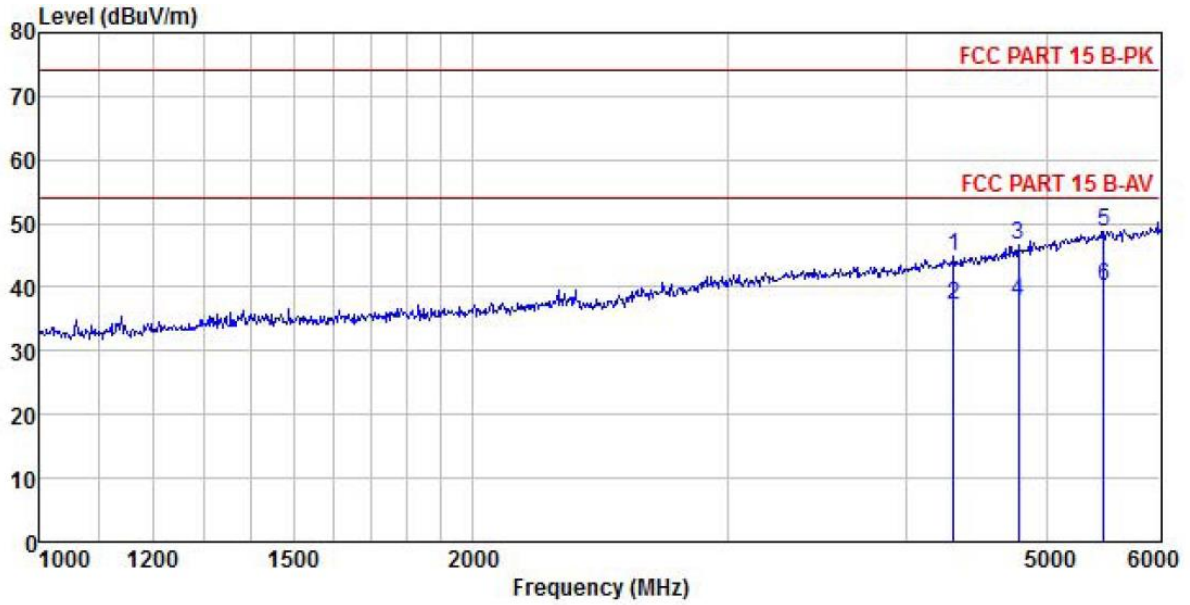


	Read Freq	Antenna Level	Antenna Factor	Cable Loss	Aux Factor	Preamp Factor	Level	Limit Line	Over Limit	Remark
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	3675.958	49.29	28.92	5.47	2.20	41.63	44.25	74.00	-29.75	Peak
2	3675.958	41.91	28.92	5.47	2.20	41.63	36.87	54.00	-17.13	Average
3	4278.467	49.30	29.76	5.98	2.29	41.87	45.46	74.00	-28.54	Peak
4	4278.467	41.00	29.76	5.98	2.29	41.87	37.16	54.00	-16.84	Average
5	5279.087	50.04	31.83	6.81	2.58	41.91	49.35	74.00	-24.65	Peak
6	5279.087	42.33	31.83	6.81	2.58	41.91	41.64	54.00	-12.36	Average

**Remark:**

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

<b>Product Name:</b>	6.1 inch 3G Smart Phone	<b>Product Model:</b>	X61
<b>Test By:</b>	Mike	<b>Test mode:</b>	PC mode
<b>Test Frequency:</b>	1 GHz ~ 6 GHz	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	AC 120/60Hz	<b>Environment:</b>	Temp: 24°C Humi: 57%



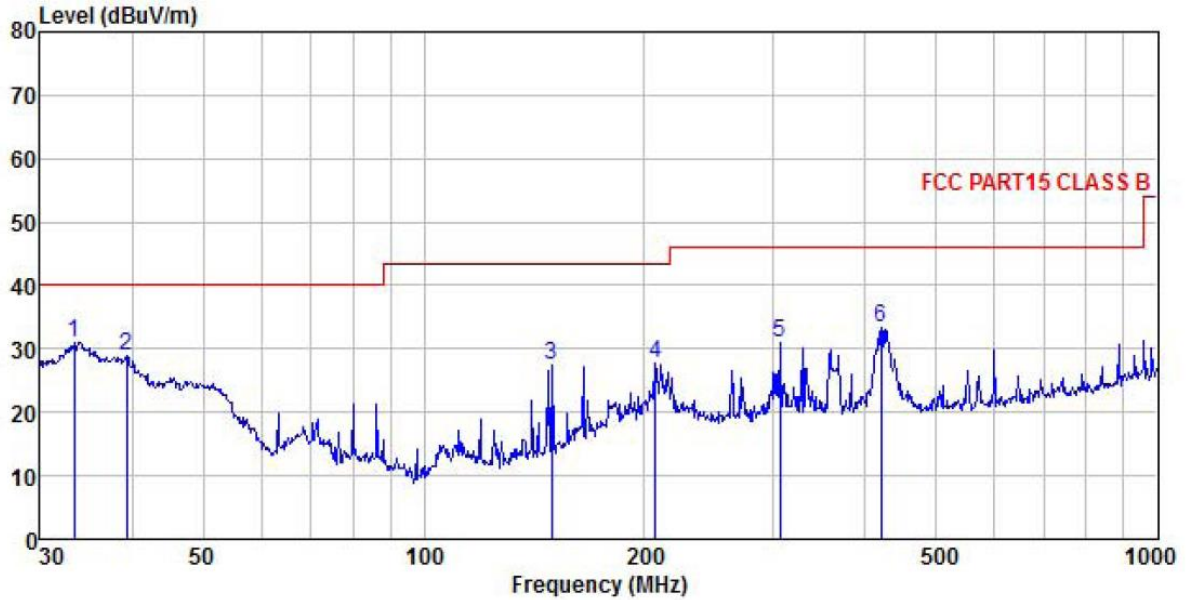
	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark	
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit		
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB	
1	4311.899	48.59	29.82	6.00	2.30	41.90	44.81	74.00	-29.19 Peak
2	4311.899	40.83	29.82	6.00	2.30	41.90	37.05	54.00	-16.95 Average
3	4780.340	48.93	30.72	6.37	2.43	41.85	46.60	74.00	-27.40 Peak
4	4780.340	40.24	30.72	6.37	2.43	41.85	37.91	54.00	-16.09 Average
5	5477.920	48.79	32.23	6.97	2.65	41.84	48.80	74.00	-25.20 Peak
6	5477.920	40.19	32.23	6.97	2.65	41.84	40.20	54.00	-13.80 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.

**Below 1GHz:**

<b>Product Name:</b>	6.1 inch 3G Smart Phone	<b>Product Model:</b>	X61
<b>Test By:</b>	Mike	<b>Test mode:</b>	Charging & Recording mode
<b>Test Frequency:</b>	30 MHz ~ 1 GHz	<b>Polarization:</b>	Vertical
<b>Test Voltage:</b>	AC 120/60Hz	<b>Environment:</b>	Temp: 24°C Humi: 57%

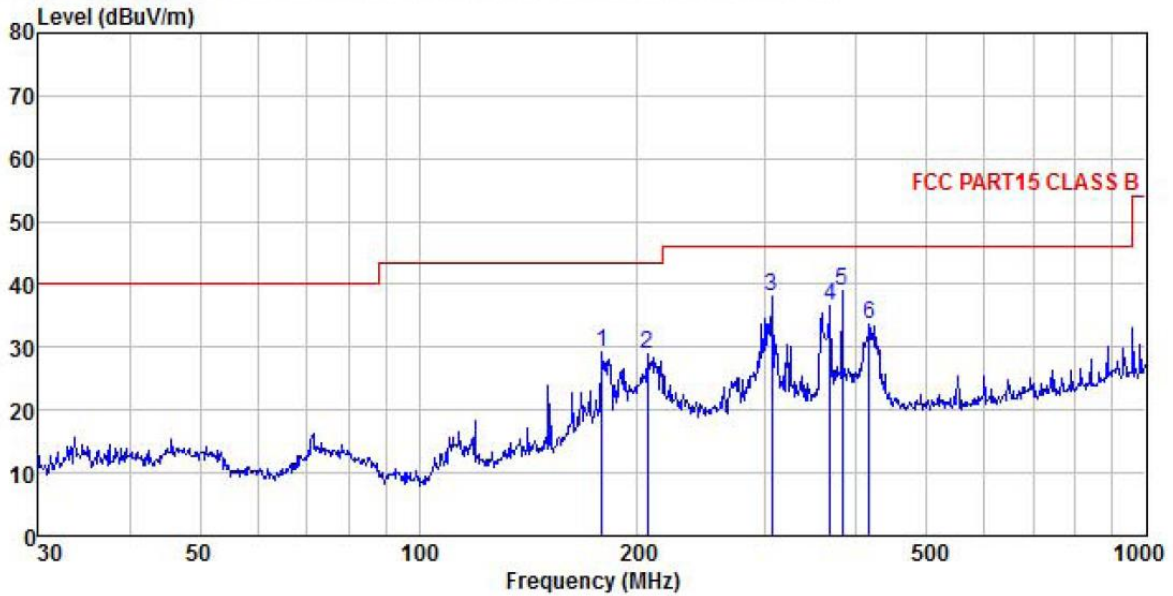


	Read	Antenna	Cable	Aux	Preamp	Limit	Over			
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit		
	MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m		
1	33.328	48.28	12.35	0.36	0.00	29.96	31.03	40.00	-8.97	QP
2	39.299	45.66	12.77	0.35	0.00	29.91	28.87	40.00	-11.13	QP
3	149.486	41.87	14.26	0.62	0.00	29.22	27.53	43.50	-15.97	QP
4	207.123	37.48	18.33	0.73	0.00	28.78	27.76	43.50	-15.74	QP
5	305.680	39.74	18.71	0.87	0.00	28.46	30.86	46.00	-15.14	QP
6	420.580	41.94	19.14	1.02	0.00	28.82	33.28	46.00	-12.72	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.
3. The Aux Factor is a notch filter switch box loss, this item is not used.

<b>Product Name:</b>	6.1 inch 3G Smart Phone	<b>Product Model:</b>	X61
<b>Test By:</b>	Mike	<b>Test mode:</b>	Charging & Recording mode
<b>Test Frequency:</b>	30 MHz ~ 1 GHz	<b>Polarization:</b>	Horizontal
<b>Test Voltage:</b>	AC 120/60Hz	<b>Environment:</b>	Temp: 24°C Humi: 57%



	ReadAntenna	Cable	Aux	Preamp	Level	Limit	Over	Remark		
Freq	Level	Factor	Loss	Factor	Factor	Line	Limit			
MHz	dBuV	dB/m	dB	dB	dB	dBuV/m	dBuV/m	dB		
1	178.758	40.52	16.88	0.68	0.00	28.98	29.10	43.50	-14.40	QP
2	206.398	38.69	18.33	0.73	0.00	28.79	28.96	43.50	-14.54	QP
3	305.680	46.98	18.71	0.87	0.00	28.46	38.10	46.00	-7.90	QP
4	368.112	45.35	18.91	0.95	0.00	28.64	36.57	46.00	-9.43	QP
5	382.588	47.67	19.00	0.97	0.00	28.70	38.94	46.00	-7.06	QP
6	416.179	42.23	19.13	1.01	0.00	28.81	33.56	46.00	-12.44	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.
3. The Aux Factor is a notch filter switch box loss, this item is not used.