Report No: CCISE191005208

# **FCC REPORT**

Applicant: Shenzhen Youmi Intelligent Technology Co., Ltd.

Address of Applicant: 406-407 Jinqi Zhigu Building, 4/F, 1 Tangling Road, Nanshan

District, Shenzhen City, China

**Equipment Under Test (EUT)** 

Product Name: Smart phone

Model No.: F2, F2 GT, Power 3, Power GT, S5 Pro, UMIDIGI X Pro

Trade mark: UMIDIGI

FCC ID: 2ATZ4F2

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 18 Oct., 2019

**Date of Test:** 18 Oct., to 18 Nov., 2019

Date of report issued: 18 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.

This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 90 days only.

<sup>\*</sup> In the configuration tested, the EUT complied with the standards specified above.





### 2 Version

Version No.	Date	Description
00	18 Nov., 2019	Original

Tested by: ( Query ( per Date: 18 Nov., 2019

Test Engineer

Reviewed by: Date: 18 Nov., 2019

**Project Engineer** 



### 3 Contents

			Page
1	C	OVER PAGE	1
2	VI	ERSION	2
3	C	ONTENTS	3
4	TE	EST SUMMARY	4
5	G	ENERAL INFORMATION	5
	5.1	CLIENT INFORMATION	5
	5.2	GENERAL DESCRIPTION OF E.U.T.	5
	5.3	TEST MODE	5
	5.4	MEASUREMENT UNCERTAINTY	5
	5.5	DESCRIPTION OF SUPPORT UNITS	6
	5.6	RELATED SUBMITTAL(S) / GRANT (S)	6
	5.7	DESCRIPTION OF CABLE USED	6
	5.8	ADDITIONS TO, DEVIATIONS, OR EXCLUSIONS FROM THE METHOD	
	5.9	LABORATORY FACILITY	6
	5.10	LABORATORY LOCATION	6
	5.11	TEST INSTRUMENTS LIST	7
6	TE	EST RESULTS AND MEASUREMENT DATA	8
	6.1	CONDUCTED EMISSION	8
	6.2	RADIATED EMISSION	11
7	TE	EST SETUP PHOTO	17
ጸ	FI	LIT CONSTRUCTIONAL DETAILS	18





## 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:	Shenzhen Youmi Intelligent Technology Co., Ltd.
Address: 406-407 Jinqi Zhigu Building, 4/F, 1 Tangling Road, Nansha District, Shenzhen City, China	
Manufacturer:	Shenzhen Youmi Electronic Digital Co., Ltd.
Address:	406-407 Jinqi Zhigu Building, 4/F, 1 Tangling Road, Nanshan District, Shenzhen City, China

### 5.2 General Description of E.U.T.

Product Name:	Smart phone	
Model No.:	F2, F2 GT, Power 3, Power GT, S5 Pro, UMIDIGI X Pro	
Power supply:	Rechargeable Li-polymer Battery DC3.85V-5150mAh	
	Model: HJ-FC010K7-US	
	Input: AC100-240V, 50/60Hz, 0.6A	
AC adapter :	Output: DC 5.0V, 2A	
	DC 9.0V, 2A	
	DC 12.0V, 1.5A	
Remark:	Model No.: F2, F2 GT, Power 3, Power GT, S5 Pro, UMIDIGI X Pro were identical inside, the electrical circuit design, layout, components used and internal wiring, with only difference being model name.	
Test Sample Condition:  The test samples were provided in good working order visible defects.		

### 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

Page 5 of 18

Report No: CCISE191005208

### 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	Shielding	1.0m	EUT	PC/Adapter

### 5.8 Additions to, deviations, or exclusions from the method

Nο

### 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
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2021
Cable	HP	10503A	N/A	03-18-2019	03-17-2020
EMI Test Software	AUDIX	E3	Version: 6.110919b		b



### 6 Test results and Measurement Data

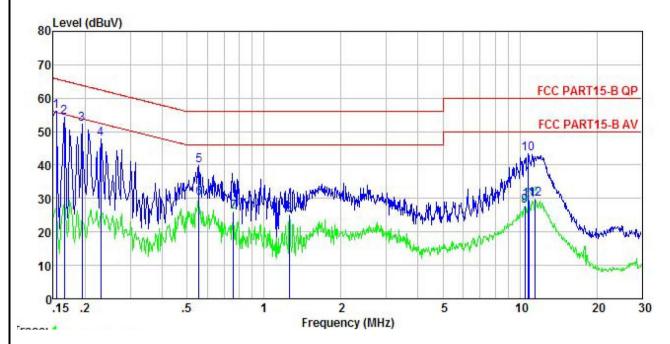
### **6.1 Conducted Emission**

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:	Fraguenov rango (MUz)	Limit	(dBµV)	
	Frequency range (MHz)	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 logarith	im of the frequency.		
Test recording	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	<ol> <li>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>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>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.</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:	Smart phone	Product model:	F2
Test by:	Carey	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%



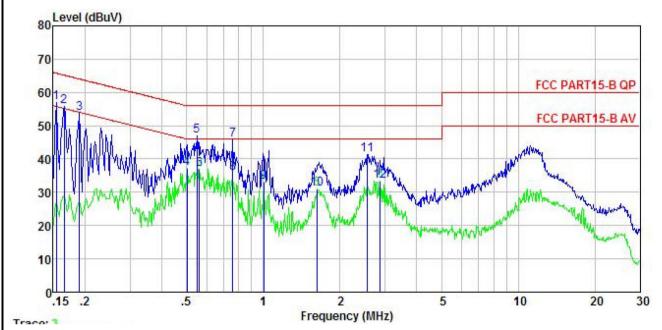
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
<u></u>	MHz	dBu∜	<u>d</u> B	₫B	dBu₹	dBu∀	<u>d</u> B	
1	0.154	45.86	-0.45	10.78	56.19	65.78	-9.59	QP
2	0.166	43.87	-0.44	10.77	54.20	65.16	-10.96	QP
3	0.194	41.83	-0.41	10.76	52.18	63.84	-11.66	QP
4	0.230	37.60	-0.40	10.75	47.95	62.44	-14.49	QP
5	0.555	29.41	-0.39	10.76	39.78	56.00	-16.22	QP
2 3 4 5 6 7	0.555	19.62	-0.39	10.76	29.99	46.00	-16.01	Average
7	0.759	15.47	-0.38	10.80	25.89	46.00	-20.11	Average
8 9	1.255	14.47	-0.39	10.90	24.98	46.00	-21.02	Average
9	10.452	17.52	-0.62	10.94	27.84	50.00	-22.16	Average
10	10.790	32.99	-0.62	10.93	43.30	60.00	-16.70	QP
11	10.847	19.19	-0.62	10.93	29.50	50.00	-20.50	Average
12	11.498	19.42	-0.63	10.93	29.72			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.



Product name:	Smart phone	Product model:	F2
Test by:	Carey	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	₫₿uѶ	<u>ab</u>	<u>ab</u>	dBu₹	dBu∀	<u>ab</u>	
1	0.154	46.97	-0.68	10.78	57.07	65.78	-8.71	QP
1 2 3 4 5 6 7 8 9	0.166	45.68	-0.68	10.77	55.77	65.16	-9.39	QP
3	0.190	43.62	-0.69	10.76	53.69	64.02	-10.33	QP
4	0.502	26.99	-0.65	10.76	37.10	46.00	-8.90	Average
5	0.549	36.76	-0.65	10.76	46.87	56.00	-9.13	QP
6	0.561	26.89	-0.65	10.76	37.00	46.00	-9.00	Average
7	0.759	35.65	-0.64	10.80	45.81	56.00	-10.19	QP
8	0.759	25.42	-0.64	10.80	35.58	46.00	-10.42	Average
9	1.005	22.69	-0.63	10.87	32.93	46.00	-13.07	Average
10	1.628	20.68	-0.66	10.93	30.95	46.00	-15.05	Average
11	2.567	31.13	-0.67	10.94	41.40		-14.60	
12	2.869	23.22	-0.67	10.92	33.47			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.



### 6.2 Radiated Emission

0.Z K	adiated Emission	1					_
Т	Test Requirement:	FCC Part 15 B S	ection 15.10	09			
Т	Test Frequency Range:	30MHz to 6000M	1Hz				
Т	Test site:	Measurement Dis	stance: 3m	(Sen	ni-Anechoic	Chamber)	
R	Receiver setup:	Frequency	Detecto		RBW	VBW	Remark
		30MHz-1GHz	Quasi-pe		120kHz	300kHz	Quasi-peak Value
		Above 1GHz	Peak		1MHz	3MHz	Peak Value
			RMS		1MHz	3MHz	Average Value
L	₋imit:	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 12		54.0		Average Value
		Above 1G	Hz		74.0		Peak Value
Т	Test setup:	Below 1GHz			7 110		r oak valdo
		Turn John Table Osman A Above 1GHz	4m			Antenna Tower  Search Antenna  Test seiver	
		SOCM (Turn	EUT Grantable) Grantable)	THE STREET	Horn Antenna Pre- Amptifer	Antenna Tow Controller	rer WWW
Т	Fest Procedure:	ground at a 3 in degrees to det  2. The EUT was which was mo  3. The antenna higround to dete	meter semi- termine the set 3 meter unted on the neight is var ermine the no vertical pol	-aned posites s aw e top ied fr naxin	choic cambe tion of the hi ay from the o of a variabl rom one met num value o	r. The tab ghest radi interference e-height a ter to four f the field	ce-receiving antenna, intenna tower. meters above the





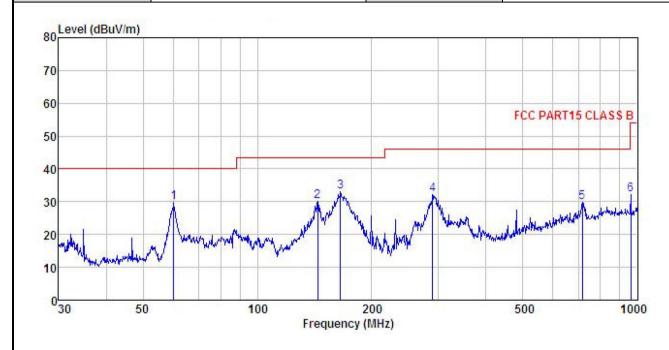
	<ul> <li>4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.</li> <li>5. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.</li> </ul>
	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:	Smart phone	Product Model:	F2
Test By:	Carey	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24°C Huni: 57%



	Freq		Intenna Factor				Limit Line	Over Limit	Remark
	MHz	−−dBuV	<u>dB</u> /m	<u>d</u> B	<u>ab</u>	$\overline{dB} \overline{uV}/\overline{m}$	$\overline{dBuV/m}$	<u>dB</u>	
1	60.280	46.90	11.31	1.38	29.77	29.82	40.00	-10.18	QP
2	144.335	47.60	9.24	2.45	29.25	30.04	43.50	-13.46	QP
2 3 4 5 6	165.487	50.06	9.49	2.62	29.09	33.08	43.50	-10.42	QP
4	289.002	44.40	13.41	2.91	28.47	32.25	46.00	-13.75	QP
5	716.682	33.69	20.48	4.24	28.60	29.81	46.00	-16.19	QP
6	962.162	32.97	22.73	4.27		32.32			
2570			775 (77)				0		90 <del>1</del> 7

#### 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.

Page 13 of 18



roduct Nar	ne:	Smart	phone			Produ	ct Model:		F2	
est By:		Carey				Test n	node:	1	PC mode	
est Freque	ncy:	30 MHz	z ~ 1 GHz			Polari	zation:		Horizontal	
est Voltage	<b>:</b>	AC 120	)/60Hz			Enviro	nment:	-	Temp: 24°C	Huni: 579
80 Level 70 60 50 40 30	(dBuV/m)				1 2		www.		FCC PART1	6
10 10 30	and Americal Prints	ward Way	hydroch said	100	Frequenc	200 cy (MHz)		(Marager)	500	1000
	Freq		ntenna Factor		Preamp Factor	Level	Limit Line	Over Limit	Remark	
	MHz	dBu∀	₫B/m	——dB	₫₿	dBuV/m	dBuV/m	dB		
2 1 3 2 4 2 5 4	44.842 67.824 17.544 92.058 80.528 62.162	48.20 50.38 43.84 47.49 36.16 36.23	9.20 9.57 11.39 13.47 17.52 22.73	2. 45 2. 64 2. 85 2. 92 3. 46 4. 27	28.72	30.60 33.52 29.36 35.42 28.22 35.58	43.50 46.00 46.00 46.00	-12.90 -9.98 -16.64 -10.58 -17.78 -18.42	QP QP QP QP	

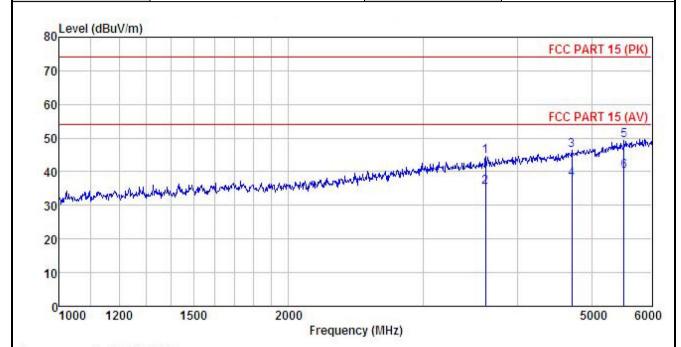
#### Remark:

- 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.



#### **Above 1GHz:**

Product Name:	Smart phone	Product Model:	F2
Test By:	Carey	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



	Freq	ReadA Level	ntenna Factor				Limit Line		Remark
-	MHz	—dBu∀			<u>ab</u>	$\overline{dBuV/m}$	$\overline{dBuV/m}$	<u>dB</u>	
1	3626.526	48.99	29.07	5.92	41.58	44.60	74.00	-29.40	Peak
1 2 3 4 5 6	3626.526	39.86	29.07	5.92	41.58	35.47	54.00	-18.53	Average
3	4710.867	48.33	30.83	6.85	41.96	46.47	74.00	-27.53	Peak
4	4710.867	39.52	30.83	6.85	41.96	37.66	54.00	-16.34	Average
5	5515.415	48.63	32.60	7.23	41.82	49.30	74.00	-24.70	Peak
6	5515.415	39.46	32.60	7.23	41.82	40.13	54.00	-13.87	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.



oduc	ct Name:	Smai	rt phone			Pro	oduct Mo	del:	F2		
st By	y:	Care	у			Tes	st mode:		PC mode		
st Fr	requency:	1 GH	lz ~ 6 GHz	:		Po	larization	:	Horizontal		
st Vo	oltage:	AC 1	20/60Hz			En	vironmer	nt:	Temp: 24°0	С Н	uni: 57%
	and ADAM										
80 L	_evel (dBuV/m)								FCC	PART 15	E /DI/A
70									FCC	PART IS	(PK)
70											
60							-4				
_									FCC	PART 1	5 (AV)
50									3	was said	Water Longer
7.0							1	description of the second	fresh frankling the	Walestake as	6
40					a contract	house in principal age has	Mahanlan		4		
40	L v	a are at 1 to a	mother hope	howards	Mynachan		4				
30	moneyletin	Married Way	ngther hotel	harpelystytys	Mercaldon						
30 <sup>#</sup>	parameterification	the state of	egg-lapola, Andrew	horperperper	Maragaria		f				
30 W	promotogheter	the state of	rapolis policio de la como de la	harpetallaftar	Merania						
20	year way he has	the second	washark, oh, Noor	harpeladistrat	Marana						
	monoraphenter	New York	ngo hankurhurhari	harpelytyty	Marane						
10						700,000					
10	1000 1200		500	20	00	ency (MH				5000	6000
10		15	500	20	00 Frequ	ency (MH	z)				
10	1000 1200	15 Read/	500 Antenna	200 Cable	00 Frequ Preamp	ency (MH	z) Limit	Over			
10	1000 1200 Freq	15 Read/ Level	500 Antenna Factor	200 Cable Loss	00 Frequ Preamp Factor	ency (MH Level	z) Limit Line	Over Limit	Remark		
10	1000 1200	15 Read/	500 Antenna	200 Cable	00 Frequ Preamp Factor	ency (MH	z) Limit Line	Over			
20 10 0 1	Freq MHz	Read/ Level dBuV 48.20	antenna Factor dB/m 28.50	Cable Loss dB 5.36	00 Frequ Preamp Factor dB	ency (MH Level dBuV/m 42.46	Z)  Limit Line  dBuV/m  74.00	Over Limit ———————————————————————————————————	Remark		
20 10 0 1	Freq MHz 3015.374 3015.374	Read! Level dBuV 48.20 39.36	28.50 28.50	200 Cable Loss dB 5.36 5.36	00 Frequ Preamp Factor ————————————————————————————————————	ency (MH Level dBuV/m 42.46 33.62	Z) Limit Line dBuV/m 74.00 54.00	Over Limit 	Remark Peak Average		
20 10 0 1	Freq MHz	Read/ Level dBuV 48.20	antenna Factor dB/m 28.50	Cable Loss dB 5.36	00 Frequ Preamp Factor ————————————————————————————————————	ency (MH Level dBuV/m 42.46 33.62 45.42	z) Limit Line dBuV/m 74.00 54.00 74.00	Over Limit ———————————————————————————————————	Remark Peak Average		
20 10 0 1	Freq MHz 3015.374 3015.374 4074.465	Read# Level dBuV 48.20 39.36 48.47	28.50 28.50 30.32	200 Cable Loss dB 5.36 5.36 6.22	00 Frequ Preamp Factor ————————————————————————————————————	ency (MH Level dBuV/m 42.46 33.62 45.42 36.59 49.64	Z)  Limit Line  dBuV/m  74.00 54.00 74.00 54.00 74.00	Over Limit 	Remark Peak Average Peak Average		

<sup>1.</sup> Final Level = Receiver Read level + Antenna Factor + Cable Loss - Preamplifier Factor.

<sup>2.</sup> The emission levels of other frequencies are very lower than the limit and not show in test report.