

Report No: CCISE200300603

FCC REPORT

Applicant:	Golden Unions Limited			
Address of Applicant:	UNIT 1010, MIRAMAR TOWER, 132 NATHAN ROAD, TSIMSHATSUIKL, Hong Kong			
Equipment Under Test (E	EUT)			
Product Name:	Mobile Phone			
Model No.:	FP01, FP02, FP03, FP04, FP05, SM01, SM02, SM03, SM04, SM05, SM06, SM07, SM08			
Trade mark:	Mammoth			
FCC ID:	2AG78-FP01			
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B			
Date of sample receipt:	03 Mar., 2020			
Date of Test:	04 Mar., to 04 Jun., 2020			
Date of report issued:	05 Jun., 2020			
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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2 Version

Version No.	Date	Description
00	05 Jun., 2020	Original

Tested by:

Test Engineer Winner Mang

Date: 05 Jun., 2020

05 Jun., 2020

Date:

Reviewed by:

Project Engineer

<u>CCIS</u>

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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:	Golden Unions Limited
Address:	UNIT 1010, MIRAMAR TOWER, 132 NATHAN ROAD, TSIMSHATSUIKL, Hong Kong
Manufacturer:	Golden Unions Limited
Address:	UNIT 1010, MIRAMAR TOWER, 132 NATHAN ROAD, TSIMSHATSUIKL, Hong Kong

5.2 General Description of E.U.T.

Product Name:	Mobile Phone			
Model No.:	FP01, FP02, FP03, FP04, FP05, SM01, SM02, SM03, SM04, SM05, SM06, SM07, SM08			
Power supply:	Rechargeable Li-ion Battery DC3.7V-800mAh			
AC adapter:	Input: AC100-240V, 50/60Hz, 150mA			
	Output: DC 5.2V, 500mA			
Test Sample Condition:	The test samples were provided in good working order with no visible defects.			
Remarks:	Model No.: FP01, FP02, FP03, FP04, FP05, SM01, SM02, SM03, SM04, SM05, SM06, SM07, SM08 were identical inside, the electrical circuit design, layout, components used and internal wiring. with only difference being model name.			

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
The earnale was placed 0.9m abo	the ground plane of 2m chember. Measurements in both berizontal and

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	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	То
Integrated cable	Un-Shielding	1.0m	EUT	Adapter
Detached headset cable	Un-Shielded	1.0m	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.

• 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: <u>https://portal.a2la.org/scopepdf/4346-01.pdf</u>

5.10 Laboratory Location

Shenzhen Zhongjian Nanfang Testing 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

Radiated Emission:							
Test Equipment	Manufacturer	nufacturer Model No.	Serial No.	Cal. Date	Cal. Due date		
rest Equipment	Manulacturei	Model No.	oena No.	(mm-dd-yy)	(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		
	SCHWARZBECK	1102013130	00044	03-18-2020	03-17-2021		
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-18-2019	03-17-2020		
BICONILOG AIRENNA	SCHWARZBECK	VOLD9103	497	03-18-2020	03-17-2021		
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-18-2019	03-17-2020		
Hom Antenna	SCHWARZBECK	BBITA9120D	910	03-18-2020	03-17-2021		
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020		
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-18-2019	11-17-2020		
EMI Test Software	AUDIX	E3	١	Version: 6.110919b			
Dro omplifior	HP	8447D	2944A09358	03-18-2019	03-17-2020		
Pre-amplifier				03-18-2020	03-17-2021		
Pre-amplifier	CD	PAP-1G18	11804	03-18-2019	03-17-2020		
rie-ampilier	CD	PAP-1G18	11604	03-18-2020	03-17-2021		
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-18-2019	03-17-2020		
Spectrum analyzer	Ronde & Schwarz	F3F30	101454	03-18-2020	03-17-2021		
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-18-2019	11-17-2020		
EMI Test Receiver	Rohde & Schwarz		404070	03-18-2019	03-17-2020		
EIVIT Test Receiver	Ronde & Schwarz	ESRP7	101070	03-18-2020	03-17-2021		
Cable	ZDECL	Z108-NJ-NJ-81	1000450	03-18-2019	03-17-2020		
Cable	ZDECL	Z108-INJ-INJ-81	1608458	03-18-2020	03-17-2021		
Cabla				03-18-2019	03-17-2020		
Cable	MICRO-COAX	MFR64639	K10742-5	03-18-2020	03-17-2021		
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-18-2019	03-17-2020		
Cable	SURINER	SUCUFLEXIUU		03-18-2020	03-17-2021		

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		
EIVII Test Receiver	Ronde & Schwarz	ESCI	101169	03-18-2020	03-17-2021		
Dulaa Limitar	SCHWARZBECK		0704	03-18-2019	03-17-2020		
Pulse Limiter	SURWARZBEUK	OSRAM 2306	9731	03-18-2020	03-17-2021		
			4 4 4 7	03-18-2019	03-17-2020		
LISN	CHASE	MN2050D	1447	03-18-2020	03-17-2021		
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2017	07-20-2020		
Cabla		405024	N/A	03-18-2019	03-17-2020		
Cable	HP	10503A		03-18-2020	03-17-2021		
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	Class B						
Receiver setup:	RBW=9kHz, VBW=30kHz							
Limit:	Limit (dBuV)							
Linint.	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 logarithm	of the frequency.						
Test setup:	Reference Plane							
	Test table/Insulation plane Remarkc E.U.T: Equipment Under Test LISN: Line Impedence Stabilization Network Test table height=0.8m	EMI Receiver						
Test procedure	 The E.U.T and simulators are impedance stabilization network coupling impedance for the rest The peripheral devices are a LISN that provides a 500hm/ termination. (Please refers to photographs). Both sides of A.C. line are interference. In order to fin positions of equipment and according to ANSI C63.4(k) 	vork(L.I.S.N.). The prov neasuring equipment. Ilso connected to the m '50uH coupling impeda to the block diagram of checked for maximum d the maximum emiss d all of the interface ca	vide a 50ohm/50uH main power through a ance with 50ohm the test setup and n conducted ion, the relative bles must be changed					
Test Instruments:	Refer to section 5.11 for details	5						
Test mode:	Refer to section 5.3 for details							
Test results:	Pass							



-4.98 QP

-5.68 QP

-8.28 QP

52.30 -10.55 Average

50.90 -12.47 Average

46.00 -9.01 Average

46.00 -10.26 Average

56.00 -8.27 QP

56.00 -11.19 QP

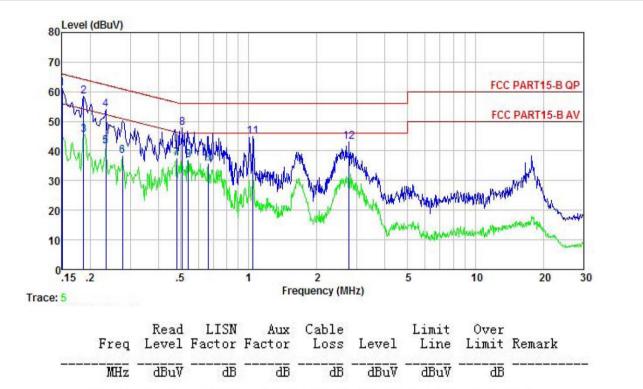
56.00 -12.85 QP

-8.69 Average

-8.93 Average

Measurement data:

Product name:	Mobile Phone	Product model:	FP01
Test by:	Yaro	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%



10.78

10.76

10.76

10.75

10.75

10.74

10.75

10.76

10.76

10.77

10.88

10.93

61.02

58.52

45.51

54.02

41.75

38.43

37.39

47.73

36.99

35.74

44.81

43.15

66.00

64.20

54.20

62.30

46.32

Notes:

1. An initial pre-scan was performed on the line and neutral lines with peak detector.

-0.45

-0.42

-0.42

-0.40

-0.40

-0.39

-0.39

-0.39

-0.39

-0.38

-0.38

-0.43

-0.05

-0.13

-0.13

-0.20

-0.20

-0.24

-0.24

-0.35

-0.36

-0.39

-0.23

0.41

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.

50.74

48.31

35.30

43.87

31.60

28.32

27.27

37.71

26.98

25.74

33.90

32.88

0.150

0.186

0.186

0.234

0.234

0.277

0.481

0.510

0.541

0.665

1.043

2.779

123

4

567

8

9

10

11

12



Product name:	Mobil	e Phone				Product m	odel:	FP01			
Test by:	Yaro					Test mode	:	PC mode			
Test frequency:	150 kH	150 kHz ~ 30 MHz				Phase:	Neutral				
Test voltage:	AC 12	AC 120 V/60 Hz				Environme	ent:	Temp: 2	22.5℃ Huni: 5	55%	
	10.10										
80 Level (abuv)										
70					_						
		_						FCC	PART15-B QP		
60											
50 AM	An	- 7			-			FCC	PART15-B AV		
4	Why M	ton i huter	August 1	9	11						
40	AL.	M (VI "	B WALL	Mun L	X M	MW					
30	I ANY W	ut she m	Y WWW YA	NI WYMAN WWW	Laborth ment			1.1.1	unt		
20		"N"	1 M	Muni	Villa V	Nº YAWA	the party and	whether whethe	hold have been and		
20			1	an all the	Y	1 Au			who who		
10						V Y	MALIN	address south the second	- normal and		
0.15 .2		.5		1	2	and the second sec	5	10	20 30		
0.15 .2 Trace: 7	2	.5			2 quency (Mi	and the second sec	5	10	20 30		
	2			Free	quency (M	and the second sec			20 30		
		Read	LISN	Free	quency (Mi Cable	Hz)	Limit	Over			
	e Freq	Read	LISN Factor	Free	quency (M	Hz)		Over	20 30 Remark		
		Read		Free	quency (Mi Cable	Hz)	Limit	Over	Remark		
Trace: 7	Freq MHz	Read Level dBuV	Factor dB	Aux Factor dB	Quency (M Cable Loss dB	Hz) Level dBuV	Limit Line dBuV	Over Limit āB	Remark		
Trace: 7	Freq MHz 0.150	Read Level dBuV 45.63	Factor dB 0.68	Aux Factor 	Cable Loss dB 10.78	Level 	Limit Line dBuV 66.00	Over Limit <u>dB</u> -10.26	Remark 		
Trace: 7	Freq MHz	Read Level dBuV	Factor dB	Aux Factor dB	Quency (M Cable Loss dB	Hz) Level dBuV	Limit Line dBuV 66.00 64.77	Over Limit āB	Remark QP QP		
Trace: 7	Freq MHz 0.150 0.174	Read Level dBuV 45.63 43.68	Factor _	Aux Factor dB 0.01 0.00	Quency (MI Cable Loss dB 10.78 10.77	Level dBuV 55.74 53.76 53.60 40.39	Limit Line dBuV 66.00 64.77 63.84 53.84	Over Limit -10.26 -11.01 -10.24 -13.45	Remark QP QP QP Average		
Trace: 7	Freq MHz 0.150 0.174 0.194	Read Level dBuV 45.63 43.68 43.53	Factor 	Free Aux Factor dB 0.01 0.00 0.00	Quency (MI Cable Loss dB 10.78 10.77 10.76	Hz) Level dBuV 55.74 53.76 53.60 40.39 36.66	Limit Line dBuV 66.00 64.77 63.84 53.84	Over Limit -10.26 -11.01 -10.24 -13.45	Remark QP QP QP		
Trace: 7	Freq MHz 0.150 0.174 0.194 0.194	Read Level dBuV 45.63 43.68 43.53 30.32	Factor -0.68 -0.69 -0.69 -0.69 -0.69	Free Aux Factor dB 0.01 0.00 0.00 0.00 0.00	Cable Loss dB 10.78 10.77 10.76 10.76	Level dBuV 55.74 53.76 53.60 40.39	Limit Line dBuV 66.00 64.77 63.84 53.84	Over Limit -10.26 -11.01 -10.24 -13.45 -15.51	Remark QP QP QP Average		
Trace: 7	Freq MHz 0.150 0.174 0.194 0.194 0.238 0.481	Read Level dBuV 45.63 43.68 43.53 30.32 26.57 27.04	Factor -0.68 -0.69 -0.69 -0.69 -0.69 -0.69 -0.69 -0.65	Free Aux Factor dB 0.01 0.00 0.00 0.00 0.00 0.00 0.00 0.0	Cable Loss dB 10.78 10.77 10.76 10.76 10.75 10.75	Hz) Level dBuV 55.74 53.76 53.60 40.39 36.66 37.16	Limit Line dBuV 66.00 64.77 63.84 53.84 52.17 46.32	Over Limit -10.26 -11.01 -10.24 -13.45 -15.51	Remark QP QP Average Average Average		
Trace: 7	Freq MHz 0.150 0.174 0.194 0.194 0.238 0.481 0.535	Read Level dBuV 45.63 43.68 43.53 30.32 26.57 27.04 36.88	Factor -0.68 -0.69 -0.69 -0.69 -0.69 -0.66 -0.65 -0.65	Free Aux Factor dB 0.01 0.00 0.00 0.00 0.00 0.00 0.02 0.03	Cable Loss dB 10.78 10.77 10.76 10.76 10.75 10.75 10.75	Hz) Level dBuV 55.74 53.76 53.60 40.39 36.66 37.16 47.02	Limit Line dBuV 66.00 64.77 63.84 53.84 52.17 46.32 56.00	Over Limit -10.26 -11.01 -10.24 -13.45 -15.51 -9.16 -8.98	Remark QP QP Average Average Average QP		
Trace: 7 1 2 3 4 5 6 7 8	Freq MHz 0.150 0.174 0.194 0.194 0.238 0.481 0.535 0.595	Read Level dBuV 45.63 43.68 43.53 30.32 26.57 27.04 36.88 26.12	Factor -0.68 -0.69 -0.69 -0.69 -0.69 -0.66 -0.65 -0.65 -0.64	Free Aux Factor dB 0.01 0.00 0.00 0.00 0.00 0.00 0.02 0.03 0.04	Cable Loss dB 10.78 10.78 10.76 10.76 10.75 10.75 10.75 10.76 10.77	Hz) Level dBuV 55.74 53.76 53.60 40.39 36.66 37.16 47.02 36.29	Limit Line dBuV 66.00 64.77 63.84 53.84 52.17 46.32 56.00 46.00	Over Limit -10.26 -11.01 -10.24 -13.45 -15.51 -9.16 -8.98 -9.71	Remark QP QP Average Average Average QP Average QP Average		
Trace: 7 1 2 3 4 5 6 7 8 9	Freq MHz 0.150 0.174 0.194 0.194 0.238 0.481 0.535 0.595 0.968	Read Level dBuV 45.63 43.68 43.53 30.32 26.57 27.04 36.88 26.12 31.82	Factor -0.68 -0.69 -0.69 -0.69 -0.69 -0.65 -0.65 -0.65 -0.64 -0.63	Free Aux Factor dB 0.01 0.00 0.00 0.00 0.00 0.00 0.02 0.03 0.04 0.08	Cable Loss dB 10.78 10.78 10.76 10.76 10.75 10.75 10.75 10.76 10.77 10.86	Hz) Level dBuV 55.74 53.76 53.60 40.39 36.66 37.16 47.02 36.29 42.13	Limit Line dBuV 66.00 64.77 63.84 53.84 52.17 46.32 56.00 46.00 56.00	Over Limit -10.26 -11.01 -10.24 -13.45 -15.51 -9.16 -8.98 -9.71 -13.87	Remark QP QP Average Average Average QP Average QP Average QP		
Trace: 7	Freq MHz 0.150 0.174 0.194 0.238 0.481 0.535 0.595 0.968 1.628	Read Level dBuV 45.63 43.68 43.53 30.32 26.57 27.04 36.88 26.12 31.82 19.80	Factor -0.68 -0.69 -0.69 -0.69 -0.69 -0.65 -0.65 -0.65 -0.65 -0.63 -0.63 -0.66	Free Aux Factor dB 0.01 0.00 0.00 0.00 0.00 0.00 0.02 0.03 0.04 0.08 0.14	Cable Loss dB 10.78 10.77 10.76 10.75 10.75 10.75 10.75 10.77 10.86 10.93	Hz) Level dBuV 55.74 53.76 53.60 40.39 36.66 37.16 47.02 36.29 42.13 30.21	Limit Line dBuV 66.00 64.77 63.84 53.84 52.17 46.32 56.00 46.00 56.00 46.00	Over Limit -10.26 -11.01 -10.24 -13.45 -15.51 -9.16 -8.98 -9.71 -13.87 -15.79	Remark QP QP Average Average Average QP Average QP Average QP		
Trace: 7	Freq MHz 0.150 0.174 0.194 0.194 0.238 0.481 0.535 0.595 0.968	Read Level dBuV 45.63 43.68 43.53 30.32 26.57 27.04 36.88 26.12 31.82	Factor -0.68 -0.69 -0.69 -0.69 -0.69 -0.65 -0.65 -0.65 -0.64 -0.63	Free Aux Factor dB 0.01 0.00 0.00 0.00 0.00 0.00 0.02 0.03 0.04 0.08	Cable Loss dB 10.78 10.78 10.76 10.76 10.75 10.75 10.75 10.76 10.77 10.86	Hz) Level dBuV 55.74 53.76 53.60 40.39 36.66 37.16 47.02 36.29 42.13	Limit Line dBuV 66.00 64.77 63.84 53.84 52.17 46.32 56.00 46.00 56.00 46.00 56.00	Over Limit -10.26 -11.01 -10.24 -13.45 -15.51 -9.16 -8.98 -9.71 -13.87 -15.79 -14.94	Remark QP QP Average Average Average QP Average QP Average QP		

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 Se	ection 15.10)9			
Test Frequency Range:	30MHz to 6000MI	Hz				
Test site:	Measurement Dis	tance: 3m ((Sem	i-Anechoic (Chamber)	
Receiver setup:	Frequency Detect		or RBW		VBW	Remark
	30MHz-1GHz	Quasi-pe	eak 120kHz		300kHz	Quasi-peak Value
	Above 1GHz	Peak		1MHz	3MHz	Peak Value
	Above IGHZ	RMS	Lin	1MHz 3M		Average Value
Limit:	Frequenc	Remark				
	30MHz-88M			40.0		Quasi-peak Value
	88MHz-216M			43.5		Quasi-peak Value
	216MHz-960			46.0		Quasi-peak Value
	960MHz-1G	iHz		54.0		Quasi-peak Value
	Above 1G	Hz		54.0		Average Value
Test setup:				74.0		Peak Value
	EUT 3m Turm 0.8m Table 0.8m Ground Plane	4m 4m v 1 1m		RFT		
			3m Jund Refer	Pra	Antenna Towe	
Test Procedure:	ground at a 3 n degrees to dete 2. The EUT was s which was mou 3. The antenna he ground to deter	neter semi-a ermine the p set 3 meters inted on the eight is varion rmine the m	anec positi s awa e top ed fro naxim	hoic camber on of the hig ay from the in of a variable om one mete num value of	The table ghest radia nterferenc e-height ar er to four r the field s	e-receiving antenna, ntenna tower. neters above the



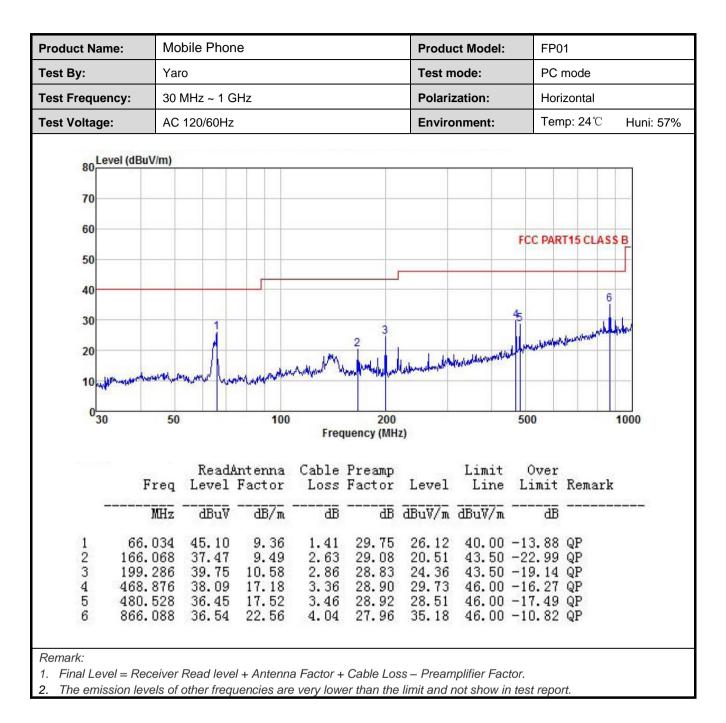
	measurement.
	4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
	5. The test-receiver system was set to Peak Detect Function 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:

Product Name:	Mobile P	hone			Produ	ct Model:	: FP	01	
Test By:	Yaro	⁄aro				node:	PC mode		
Test Frequency:	30 MHz ~	1 GHz	Polari	Polarization: Ve			ertical		
Fest Voltage:	AC 120/60	AC 120/60Hz					Ter	np: 24 ℃	Huni: 579
Level (dBu	11/1001								
80 Lever (uBr	iv/iii)								
70									
60							_		
							FCC PA	RT15 CLA	SSB
50									
40					-				
30							56		
20			1	3		4	langer	Winner	a the factor
20 MM	1 por hold	for many the	mon	Ledon del	hubernah	Helivin born view	whiten		
10	ow to AMAs			In Man College					
030	50	10	0	20	0		500		1000
00				equency (M					
	Rea	idAnt enna	Cable	Preamp		Limit	Over		
				Factor	Level	Line	Limit	Remark	1
Fi	req Leve	l Factor	LOSS	1 00001	LCOCL	Dino	DIMIT		
			Loss dB		dBuV/m				
j 1 64.8	req Leve MHz dBu 887 51.2	.₩ ₩ 860	āb 1.38		dBuV/m 32.50	<u>dBu</u> V/m 40.00			
j 1 64.8	req Leve MHz dBu 887 51.2 342 42.7	₩ <u>dB/m</u> 8 9.60 6 9.50	dB 1.38 2.41	dB 29.76 29.27	dBuV/m 32.50 25.40	dBuV/m 40.00 43.50	-7.50 -18.10	QP	
j 1 64.8	req Leve MHz dBu 887 51.2 342 42.7 286 38.5	₩ <u>dB/m</u> 8 9.60 6 9.50 6 10.58	āb 1.38		dBuV/m 32.50	dBuV/m 40.00 43.50 43.50		QP QP	
1 64.1 2 140.3 3 199.3	req Leve MHz dBu 887 51.2 342 42.7 286 38.5 589 34.8 876 40.6	.W	dB 1.38 2.41 2.86		dBuV/m 32.50 25.40 23.17	dBuV/m 40.00 43.50 43.50 46.00 46.00	-7.50 -18.10 -20.33	QP QP QP QP	

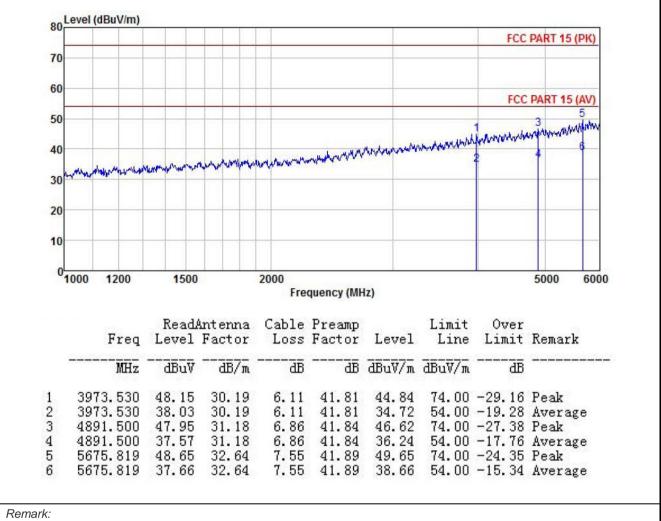






Above 1GHz:

Product Name:	Mobile Phone	Product Model:	FP01
Test By:	Yaro	Test mode:	PC mode
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



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:	Mob	Mobile Phone Yaro 1 GHz ~ 6 GHz					Model:	FP01				
Fest By:	Yard						Test mode: Polarization:		PC mode			
Test Frequency	/: 1 GH								Horizontal			
Fest Voltage:	AC 1	AC 120/60Hz				Environ	ment:	Temp: 2	24 ℃	Huni: 57%		
Love	el (dBuV/m)											
80	(ubu viiii)							FCC PA	ART 15	(PK)		
70												
60				_								
								FCC P/	1	5		
50								3	man	Nativitiv		
40					www.wahah	mything	Anna manual	4	-	6		
30	and a second shall	Kan and the second	al all a charles and	www.weare					_			
20												
20												
10												
01000	1200	1500		2000				5	000	6000		
				Freq	uency (MHz	:)						
					Preamp		Limit	Over				
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Rem	ark		
	MHz	₫₿uѶ		dB	₫₿	dBuV/m	dBuV/m					
1 39	987.794	48.45	30.26	6.11	41.81	45.21	74.00	-28.79	Pea	k		
	987.794	38.61	30.26	6.11		35.37		-18.63				
	585.998	37.09	32.64	7.55	41.89	38.09		-15.91				
4 48 5 56	321.884 321.884 585.998 585.998	47.93 37.94 48.78 37.09	31.06 31.06 32.64 32.64	6.81 6.81 7.55 7.55	41.82 41.89	49.78	54.00 74.00	-27.58 -17.57 -24.22 -15.91	Ave Pea	rage k		