

Report No: CCISE181106605

FCC REPORT

Applicant:	Collage Investments LLC.		
Address of Applicant:	6030 NW 99 Ave #414, DORAL, FL 33178, United States		
Equipment Under Test (B	EUT)		
Product Name:	MOBILE PHONE		
Model No.:	S2		
Trade mark:	S SMOOTH		
FCC ID:	GAO-S22018		
Applicable standards:	FCC CFR Title 47 Part 15 Subpart B		
Date of sample receipt:	16 Nov., 2018		
Date of Test:	16 Nov., to 05 Dec., 2018		
Date of report issued:	06 Dec., 2018		
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	06 Dec., 2018	Original

Tested by:

Test Enginder

Date:

Date:

06 Dec., 2018

06 Dec., 2018

Reviewed by:

Wimer hand

Project Engineer

<u>CCIS</u>

Report No: CCISE181106605

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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:	Collage Investments LLC.
Address of Applicant:	6030 NW 99 Ave #414, DORAL, FL 33178, United States
Manufacturer:	Collage Investments LLC.
Address:	6030 NW 99 Ave #414, DORAL, FL 33178, United States

5.2 General Description of E.U.T.

Product Name:	MOBILE PHONE
Model No.:	S2
Power supply:	Rechargeable Li-ion Battery DC3.8V-2000mAh
AC adapter :	Input: AC100-240V, 50/60Hz Output: DC 5.0V, 1000mA
Test Sample Condition:	The test samples were provided in good working order with no 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)	±2.22 dB (k=2)
Radiated Emission (9kHz ~ 30MHz)	±2.76 dB (k=2)
Radiated Emission (30MHz ~ 1000MHz)	±4.28 dB (k=2)
Radiated Emission (1GHz ~ 18GHz)	±5.72 dB (k=2)
Radiated Emission (18GHz ~ 40GHz)	±2.88 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	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 Laboratory Facility

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

• FCC - Registration No.: 727551

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

IC - Registration No.: 10106A-1

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

5.8 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



5.9 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	03-16-2018	03-15-2019
BiConiLog Antenna	SCHWARZBECK	VULB9163	497	03-16-2018	03-15-2019
Horn Antenna	SCHWARZBECK	BBHA9120D	916	03-16-2018	03-15-2019
Horn Antenna	SCHWARZBECK	BBHA9120D	1805	06-22-2017	06-21-2020
Horn Antenna	SCHWARZBECK	BBHA 9170	BBHA9170582	11-21-2017	11-20-2018
Hom Antenna	SUNWARZDEUK	DDDA 9170	DDHA9170362	11-21-2018	11-20-2019
EMI Test Software	AUDIX	E3	ν.	/ersion: 6.110919	b
Pre-amplifier	HP	8447D	2944A09358	03-07-2018	03-06-2019
Pre-amplifier	CD	PAP-1G18	11804	03-07-2018	03-06-2019
Spectrum analyzer	Rohde & Schwarz	FSP30	101454	03-07-2018	03-06-2019
Spectrum analyzer	Rohde & Schwarz	FSP40	100363	11-21-2017	11-20-2018
Spectrum analyzer	Ronue & Schwarz	F3F40	100303	11-21-2018	11-20-2019
EMI Test Receiver	Rohde & Schwarz	ESRP7	101070	03-07-2018	03-06-2019
Cable	ZDECL	Z108-NJ-NJ-81	1608458	03-07-2018	03-06-2019
Cable	MICRO-COAX	MFR64639	K10742-5	03-07-2018	03-06-2019
Cable	SUHNER	SUCOFLEX100	58193/4PE	03-07-2018	03-06-2019

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	03-07-2018	03-06-2019
Pulse Limiter	SCHWARZBECK	OSRAM 2306	9731	03-07-2018	03-06-2019
LISN	CHASE	MN2050D	1447	03-19-2018	03-18-2019
LISN	Rohde & Schwarz	ESH3-Z5	8438621/010	07-21-2018	07-20-2019
Cable	HP	10503A	N/A	03-07-2018	03-06-2019
EMI Test Software	AUDIX	E3	Version: 6.110919b		



6 Test results and Measurement Data

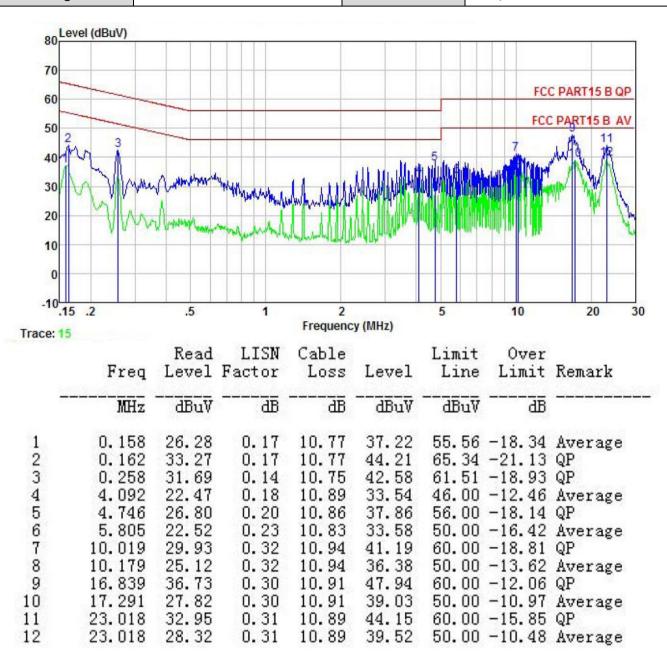
6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.10)7			
Test Method:	ANSI C63.4:2014				
	150kHz to 30MHz				
Test Frequency Range:					
Class / Severity:	Class B				
Receiver setup:	RBW=9kHz, VBW=30kHz				
Limit:	Frequency range (MHz)	Frequency range (MHz)			
	0.15-0.5	Quasi-peak 66 to 56*	Average 56 to 46*		
	0.5-5	56	46		
	0.5-30	60	50		
	* Decreases with the logarith	m of the frequency.			
Test setup:	Reference Pla	ne			
	Image: Lish document 40cm 80cm Filter AC power 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 environment:	Temp.: 23 °C Humid.: 56% Press.: 101kPa				
Test Instruments:	Refer to section 5.9 for details				
Test mode:	Refer to section 5.3 for detai	ls			
Test results:	Pass				

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Measurement data:

Product name:	MOBILE PHONE	Product model:	S2
Test by:	Caffrey	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%



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:	MOBILE PHO	ONE		Product mo	odel: S	2			
est by:	Caffrey			Test mode:	Р	C mode			
est frequency:	150 kHz ~ 3	80 MHz		Phase:	N	eutral			
est voltage:	AC 120 V/6	0 Hz	1	Environmei	nt: T	emp: 22.5℃	Huni: 55%		
Level (dBu	10								
80	v)								
70									
60						F	CC PART15 B QP		
						F	CC PART15 B AV		
501 - Jak	3						Alt 11		
40 40			5			8	MAN A		
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20	A Comment	multida	hand	hum	网络加加				
10									
0									
-10 .15 .2	.5	1	2 Eroquor		5	10	20		
10			Frequen	ncy (MHz)			20		
-10.15 .2 Trace: 17	Read	LISN	Frequen Cable	ncy (MHz)	Limit	Over			
-10.15 .2 Trace: 17	Read		Frequen			Over	20 Remark		
-10.15 .2 Trace: 17 F1	Read	LISN Factor	Frequen Cable	ncy (MHz)	Limit	Over Limit			
-10.15 .2 Trace: 17 F1	Read ceq Level Hz dBuV	LISN Factor dB	Frequen Cable Loss dB	Level dBuV	Limit Line dBuV	Over Limit dB	Remark		
-10.15 .2 	Read teq Level Hz dBuV .54 35.11	LISN Factor dB 0.98	Frequen Cable Loss dB 10.78	Level dBuV 46.87	Limit Line dBuV 65.78	Over Limit 	Remark 		
-10 <mark>.15 .2</mark> Trace: 17 F1 1 0.1 2 0.1	Read teq Level Hz dBuV .54 35.11 .58 28.04	LISN Factor dB 0.98 0.98	Frequen Cable Loss dB 10.78 10.77	Level dBuV 46.87 39.79	Limit Line dBuV 65.78 55.56	Over Limit dB -18.91 -15.77	Remark QP Average		
-10 <mark>.15 .2</mark> Trace: 17 F1 1 0.1 2 0.1 3 0.2 4 0.2	Read teq Level Hz dBuV 54 35.11 58 28.04 258 32.99 258 26.03	LISN Factor dB 0.98 0.98 0.95	Frequen Cable Loss dB 10.78 10.77 10.75 10.75	Level dBuV 46.87 39.79 44.69 37.73	Limit Line dBuV 65.78 55.56 61.51 51.51	Over Limit 	Remark QP Average		
-10 <mark>.15 .2</mark> Trace: 17 F1 1 0.1 2 0.1 3 0.2 4 0.2	Read teq Level Hz dBuV 54 35.11 58 28.04 258 32.99 258 26.03 118 25.14	LISN Factor dB 0.98 0.98 0.95 0.95 0.95 0.95	Frequen Cable Loss dB 10.78 10.77 10.75 10.75 10.92	Level dBuV 46.87 39.79 44.69 37.73 37.04	Limit Line dBuV 65.78 55.56 61.51 51.51 56.00	Over Limit 	Remark QP Average QP Average QP		
-10 <mark>.15 .2</mark> Trace: 17 F1 1 0.1 2 0.1 3 0.2 4 0.2	Read teq Level Mz dBuV 54 35.11 58 28.04 258 32.99 258 26.03 118 25.14 305 16.27	LISN Factor dB 0.98 0.98 0.95 0.95 0.95 0.98 1.01	Frequen Cable Loss dB 10.78 10.77 10.75 10.75 10.92 10.83	Level dBuV 46.87 39.79 44.69 37.73 37.04 28.11	Limit Line dBuV 65.78 55.56 61.51 51.51 56.00 50.00	Over Limit -18.91 -15.77 -16.82 -13.78 -18.96 -21.89	Remark QP Average QP Average QP Average		
-10 <mark>.15 .2</mark> Trace: 17 F1 1 0.1 2 0.1 3 0.2 4 0.2	Read teq Level Hz dBuV 54 35.11 58 28.04 258 32.99 258 26.03 118 25.14 305 16.27 52 19.37	LISN Factor dB 0.98 0.98 0.95 0.95 0.95 0.95 1.01 1.02	Frequen Cable Loss dB 10.78 10.77 10.75 10.75 10.92 10.83 10.92	Level dBuV 46.87 39.79 44.69 37.73 37.04 28.11 31.31	Limit Line dBuV 65.78 55.56 61.51 51.51 56.00 50.00 50.00	Over Limit -18.91 -15.77 -16.82 -13.78 -13.96 -21.89 -18.69	Remark QP Average QP Average QP Average Average		
-10.15 .2 Trace: 17 Fr 	Read teq Level Hz dBuV 54 35.11 58 28.04 258 32.99 258 26.03 18 25.14 305 16.27 309 24.39	LISN Factor dB 0.98 0.98 0.95 0.95 0.95 0.98 1.01 1.02 1.02	Frequen Cable Loss dB 10.78 10.77 10.75 10.75 10.92 10.92 10.93	Level dBuV 46.87 39.79 44.69 37.73 37.04 28.11 31.31 36.34	Limit Line dBuV 65.78 55.56 61.51 51.51 56.00 50.00 50.00 60.00	Over Limit -18.91 -15.77 -16.82 -13.78 -18.96 -21.89 -18.69 -23.66	Remark QP Average QP Average QP Average Average QP		
-10.15 .2 Trace: 17 F1 1 0.1 2 0.1 3 0.2 4 0.2 5 1.4 6 5.8 7 9.5 8 9.8 9 16.4	Read teq Level Mz dBuV 54 35.11 58 28.04 258 32.99 258 26.03 118 25.14 305 16.27 309 24.39 186 26.75	LISN Factor dB 0.98 0.98 0.95 0.95 0.95 0.98 1.01 1.02 1.02 0.83	Frequen Cable Loss dB 10.78 10.77 10.75 10.75 10.92 10.83 10.92 10.93 10.91	Level dBuV 46.87 39.79 44.69 37.73 37.04 28.11 31.31 36.34 38.49	Limit Line dBuV 65.78 55.56 61.51 51.51 56.00 50.00 50.00 50.00 50.00	Over Limit dB -18.91 -15.77 -16.82 -13.78 -18.96 -21.89 -23.66 -11.51	Remark QP Average QP Average QP Average Average QP Average		
-10.15 .2 Trace: 17 Fr 	Read teq Level Hz dBuV 54 35.11 58 28.04 258 32.99 258 26.03 118 25.14 305 16.27 309 24.39 186 26.75 36.15	LISN Factor dB 0.98 0.98 0.95 0.95 0.95 0.95 1.01 1.02 1.02 0.83 0.83	Frequen Cable Loss dB 10.78 10.77 10.75 10.75 10.92 10.92 10.93	Level dBuV 46.87 39.79 44.69 37.73 37.04 28.11 31.31 36.34	Limit Line dBuV 65.78 55.56 61.51 51.51 56.00 50.00 50.00 60.00 60.00	Over Limit -18.91 -15.77 -16.82 -13.78 -18.96 -21.89 -18.69 -23.66	Remark QP Average QP Average Average QP Average QP Average 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.



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6.2 Radiated Emission

Test Requirement:	FCC Part 15 B	Section 1	5.109				
Test Method:	ANSI C63.4:201	4					
Test Frequency Range:	30MHz to 6000	MHz					
Test site:	Measurement D	istance:	3m (Se	mi-Anechoi	c Chan	nber))
Receiver setup:	Frequency	Dete	ctor	RBW	VB۱	Ν	Remark
	30MHz-1GHz	Quasi-		120kHz	300k		Quasi-peak Value
	Above 1GHz	Pea		1MHz	3MF		Peak Value
1 :	Frequenc	RM		1MHz (dBuV/m @	3MF	1Z	Average Value Remark
Limit:	30MHz-88M	,	LIIIII	40.0	«SIII)	0	Quasi-peak Value
	88MHz-216M			43.5			Quasi-peak Value
	216MHz-960			46.0			Quasi-peak Value
	960MHz-1G			54.0			Quasi-peak Value
				54.0			Average Value
	Above 1G	ΗZ		74.0			Peak Value
Test setup:	EUT Turn Table Oround Plane – Above 1GHz	im <			Antenna - Search Antenn RF Test Receiver	h	
		Test	Receiver	Pre-	Controller		



Test Procedure:	ground degrees 2. The EU antenna tower. 3. The ant ground horizon	at a 3 meters s to determine IT was set 3 n a, which was tenna height i to determine tal and vertica	semi-anecho the position neters away mounted on t s varied from the maximun	ic camber. The of the highes from the inter he top of a van one meter to n value of the	ne table wa st radiation ference-rec ariable-heig o four mete s field stren	ceiving ght antenna rs above the
	and the and the find the	ch suspected on the antenna rotatable tab maximum re	a was tuned t le was turneo ading.	o heights froi I from 0 degr	m 1 meter t ees to 360	o 4 meters degrees to
		t-receiver sys dth with Maxi			ect Function	n and Specified
	limit spe EUT wo margin	ecified, then to	esting could l ed. Otherwis ested one by	be stopped a e the emissic one using pe	nd the peal ons that did eak, quasi-j	
Test environment:	Temp.:	25 °C	Humid.:	55%	Press.:	1 01kPa
Test Instruments:	Refer to se	ection 5.9 for	details			
Test mode:	Refer to se	ection 5.3 for	details			
Test results:	Passed					
Remark:	All of the or recorded	observed valu	e above 6GH	Iz ware the r	iose floor ,	which were no



Measurement Data:

50

Product Name:	MOBILE PHONE	Product Model:	S2
Test By:	Caffrey	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Vertical
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%
80 Level (dBuV/m)			
Level (dBu\V/m)			

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20	A manual	Level.	Munh	montheter	~	" "hereby	d man with the	ad the second	
10	WANNER WARA LIN		way in						
030) 50		100		200			500	100
				Freq	juency (MH	z)			
		Read	Intenna	Cable	Preamp		Limit	Over	
	Freq	Level	Factor	Loss	Factor	Level	Line	Limit	Remark
	MHz	₫₿uѶ		dB	<u>dB</u>	dBuV/m	dBuV/m	dB	
1	198.588	50.78	11.46	2.86	28.84	36.26	43.50	-7.24	QP
2	239.147	50.30	12.94	2.82	28.60	37.46	46.00		QP
3	255.623	50.48	13.34	2.82	28.53	38.11	46.00		QP
2 3 4 5 6	399.030	41.69	15.48	3.08	28.77	31.48		-14.52	QP
5	480.528	42.69	16.97	3.46	28.92	34.20		-11.80	QP
6	962.162	35.13	22.50	4.27	27.65	34.25	54.00	-19.75	QP

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





Name:	MOBILE P	HONE		Pro	oduct Mod	del:	S2		
	Caffrey			Те	st mode:		PC mode		
est Frequency:		- 1 GHz		Ро	larization	:	Horizontal		
age:	AC 120/6	i0Hz		En	vironmen	t:	Temp: 24°	С	Huni: 57%
er (ubuv/m)									
							FCC PA	ART1	5 CLASS B
	_				0				
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	_			1				-	
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al margalization	ANT	Mum	+www.dlaward	pd Mudan	w yun	N. M. Markeller	Millim	alution	Manhaman
Humphan	m	William	howwoodburge	ple/Madesoft	w yun	N.M. J.w.	Million	al when	Anarthanian An
Hummandrader 50	m	100	huwall	20			500	al subini	100
		100	Fre	200 quency (M	Hz)		500	alsola	
	ReadA		Fre	200 quency (M Preamp	Hz)	Limit			100
50 Freq	Read& Level	100 Intenna Factor	Fre Cable Loss	20 quency (M Preamp Factor	Hz) Level	Limit Line	500 Over Limit		100
50 Freq MHz	ReadA Level dBuV	100 Antenna Factor dB/m	Fre Cable Loss dB	200 quency (M Preamp Factor dB	Hz) Level dBuV/m	Limit Line dBuV/m	500 Over Limit 	Rem	100
50 Freq	ReadA Level dBuV 52.62	100 Antenna Factor dB/m 11.48	Fre Cable Loss	200 quency (M Preamp Factor dB	Hz) Level dBuV/m 38.13	Limit Line dBuV/m 43.50	500 Over Limit 	Rem 	100
50 Freq MHz 199.286 239.987 254.728	Read& Level dBuV 52.62 56.71 52.42	100 Intenna Factor B/m 11.48 12.97 13.33	Fre Cable Loss dB 2.86 2.82 2.82	20 quency (M Preamp Factor dB 28.83 28.59 28.53	Hz) Level dBuV/m 38.13 43.91 40.04	Limit Line dBuV/m 43.50 46.00 46.00	500 Over Limit dB -5.37 -2.09 -5.96	Rem QP QP QP	100
50 Freq MHz 199.286 239.987	Read& Level dBuV 52.62 56.71	100 Intenna Factor dB/m 11.48 12.97	Fre Cable Loss dB 2.86 2.82	20 quency (M Preamp Factor dB 28.83 28.59 28.53	Hz) Level dBuV/m 38.13 43.91 40.04 38.44	Limit Line dBuV/m 43.50 46.00 46.00 46.00	500 Over Limit 	Rem QP QP QP QP	100
	uency:	Caffrey uency: 30 MHz - age: AC 120/6	Caffrey uency: 30 MHz ~ 1 GHz age: AC 120/60Hz	Caffrey uency: 30 MHz ~ 1 GHz age: AC 120/60Hz	Caffrey Te uency: 30 MHz ~ 1 GHz Po age: AC 120/60Hz En	Caffrey Caffrey Test mode: Understand Caffrey Test mode: Polarization AC 120/60Hz Environmen (dBuV/m)	Caffrey Test mode: uency: 30 MHz ~ 1 GHz Polarization: age: AC 120/60Hz Environment:	Caffrey Test mode: PC mode uency: 30 MHz ~ 1 GHz Polarization: Horizontal age: AC 120/60Hz Environment: Temp: 24° H (dBuV/m) FCC P/ 33 4 5	Caffrey Test mode: PC mode uency: 30 MHz ~ 1 GHz Polarization: Horizontal age: AC 120/60Hz Environment: Temp: 24°C Al (dBuV/m) FCC PART1: FCC PART1:



Above 1GHz:

Touuci	Name:	MOBILE PH	IONE		Prod	luct Mode	l: Sź	2		
est By:		Caffrey			Test	mode:	P	C mode		
est Fre	quency:	1 GHz ~ 6	GHz		Pola	rization:	Ve	ertical		
est Vol	tage:	AC 120/60	Hz		Envi	ronment:	Te	emp: 24℃	Hun	i: 57%
Level	(dBuV/m)									
80	()							FCC	PART 1	5 (PK)
70										
60									-	
								FCC	PART 1	5 (AV)
50								-		5
40			a have been			1	mann	MANNAM	Aman	huthink
lad	المالي المحلف المحلم	and have been and	a hard a start and a start a	pressions, but	where we have a stand of the st	Turner and		4		
30										
20									_	1
20										
	1200	1500	20	000					5000	600
10	1200			Frequ	iency (MHz				5000	600
10		ReadA	Intenna	Frequ Cable	Preamp	ing Autor	Limit Line	Over Limit		
10	Freq	ReadA Level	intenna Factor	Frequ Cable Loss	Preamp Factor	Level	Line	Limit		
10		ReadA Level	ntenna Factor 	Frequ Cable	Preamp Factor	ing Autor	Line	Limit		
10 0 1000	Freq MHz 2977.790	ReadA Level dBuV 48.10	Intenna Factor dB/m 28.56	Frequ Cable Loss dB 5.33	Preamp Factor dB 41.52	Level dBuV/m 40.47	Line dBuV/m 74.00	Limit dB -33.53	Remai Peak	ck
10 0 1000	Freq MHz 2977.790 2977.790	Read& Level dBuV 48.10 38.23	untenna Factor 	Frequ Cable Loss dB 5.33 5.33	Preamp Factor dB 41.52 41.52	Level dBuV/m 40.47 30.60	Line dBuV/m 74.00 54.00	Limit 	Remai Peak Avera	rk
10 0 1000 1 2 3 4	Freq MHz 2977.790	ReadA Level dBuV 48.10	dB/m 28.56 28.56 30.55 30.55	Frequ Cable Loss dB 5.33 5.33 6.37 6.37	Preamp Factor dB 41.52	Level dBuV/m 40.47 30.60 42.62 31.70	Line dBuV/m 74.00 54.00 74.00 54.00	Limit dB -33.53	Reman Peak Avera Peak	rk
10 0 1000	Freq MHz 2977.790 2977.790 4185.457	Read& Level dBuV 48.10 38.23 47.51	untenna Factor 	Frequ Cable Loss dB 5.33 5.33 6.37	Preamp Factor dB 41.52 41.52 41.81	Level dBuV/m 40.47 30.60 42.62	Line dBuV/m 74.00 54.00 74.00 54.00 74.00 74.00	Limit 	Reman Peak Avera Peak Avera Peak	age age

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.





oduct	Name:	MOBILE F	HONE		Pro	duct Mode	el:	32	
st By:		Caffrey			Tes	est mode: PC mode			
est Frequency:		1 GHz ~	6 GHz		Pola	olarization:		Horizontal	
est Vol	tage:	AC 120/6	i0Hz		Env	ironment:	-	Гemp: 24 ℃	C Huni: 57%
Le	vel (dBuV/m)								
80								FCC	PART 15 (PK)
70									
60									
								FCC	PART 15 (AV)
50								192.21	F
1000						1.		AMMANAN	MAMPHUM MAN
40							A A Ash Mrs.		
40			مرور المحمد المحمد المحادر و	man	weight another	harman	www		6
40 30	mengen og helen om mellen	waterstade	water and a start of the start	man	goup when	2	CANALAN V	4	6
	weigegeweighten weige	waterman	Later and the second	manun	gout robbe	2		4	6
40 30 m	mengenet/de/opmoster	water and the	water and a start and a star	man	goupt rolled	2		4	8
	mengeneskilenter vester	wannah	un and a start and a start a st	man	generation when	2			8
20 10					generation when	2			6
20		1500		2000					6 5000 6000
20		1500		2000 Freq	juency (MH;	z)			5000 6000
20	00 1200	1500 Read/	intenna	2000 Freq Cable	juency (MH;	z)	Limit	Over	5000 6000
20	00 1200	1500 Read/	intenna	2000 Freq Cable	uency (MH Preamp Factor	z)	Limit Line	Over	5000 6000 Remark
20 10 0 10	00 1200 Freq MHz	1500 Read/ Level dBuV	Antenna Factor 	2000 Freq Cable Loss dB	juency (MH) Preamp Factor dB	z) Level dBuV/m	Limit Line dBuV/m	Over Limit	5000 6000 Remark
20 10 0 10	00 1200 Freq	1500 Read/ Level	Antenna Factor	2000 Freq Cable Loss	uency (MH Preamp Factor dB 41.43	2) Level dBuV/m 40.71	Limit Line dBuV/m 74.00	Over Limit	5000 6000 Remark
20 10 0 10 10	00 1200 Freq MHz 3159.171 3159.171 4276.423	1500 Read/ Level dBuV 48.03	Antenna Factor dB/m 28.70	2000 Freq Cable Loss dB 5.41 5.41 6.52	uency (MH; Preamp Factor dB 41.43 41.43	2) Level dBuV/m 40.71	Limit Line dBuV/n 74.00 54.00 74.00	Over Limit -33.29 -23.12 -31.76	5000 6000 Remark Peak Average Peak
20 10 0101 1 2 3 4	00 1200 Freq MHz 3159.171 3159.171 4276.423 4276.423	1500 Read/ Level dBuV 48.03 38.20 46.88 35.74	Antenna Factor 	2000 Freq Cable Loss dB 5.41 5.41 6.52 6.52	uency (MH) Preamp Factor dB 41.43 41.43 41.87 41.87	z) Level dBuV/m 40.71 30.88 42.24 31.10	Limit Line dBuV/n 74.00 54.00 74.00 54.00	Over Limit -33.29 -23.12 -31.76 -22.90	5000 6000 Remark Peak Average Peak Average
20 10 0 10 10	00 1200 Freq MHz 3159.171 3159.171 4276.423	1500 Read/ Level dBuV 48.03 38.20 46.88	Antenna Factor dB/m 28.70 28.70 30.71	2000 Freq Cable Loss dB 5.41 5.41 6.52	uency (MH) Preamp Factor dB 41.43 41.43 41.87 41.87 41.87 41.88	2) Level dBuV/m 40.71 30.88 42.24 31.10 44.09	Limit Line dBuV/m 74.00 54.00 54.00 54.00 74.00	Over Limit -33.29 -31.76 -22.90 -29.91	5000 6000 Remark Peak Average Peak Average

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