Report No: CCISE180908205

FCC REPORT

Applicant: General Procurement, Inc

Address of Applicant: 800 E. Dyer Road, Santa Ana, California, United States

Equipment Under Test (EUT)

Product Name: Smart Phone

Model No.: Eternity H68

FCC ID: 2AQ7MH25568K

Applicable standards: FCC CFR Title 47 Part 15 Subpart B

Date of sample receipt: 19 Sep., 2018

Date of Test: 19 Sep., to 16 Oct., 2018

Date of report issued: 17 Oct., 2018

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.

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





2 Version

Version No.	Date	Description
00	17 Oct., 2018	Original

Tested by: 2010 Lee Date: 17 Oct., 2018

Test Engineer

Reviewed by: 17 Oct., 2018

Project Engineer





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4 Test Summary

Test Item	Section in CFR 47	Result
Conducted Emission	Part 15.107	Pass
Radiated Emission	Part 15.109	Pass

Remark:

Pass: The EUT complies with the essential requirements in the standard.

N/A: The EUT not applicable of the test item.



5 General Information

5.1 Client Information

Applicant:	General Procurement, Inc	
Address of Applicant:	800 E. Dyer Road, Santa Ana, California, United States	
Manufacturer:	SHENZHEN HENG DA INFINITE COMMUNICATION EQUIPMENTS LIMITED	
Address:	Rm 1301 Block D, Tian An Cloud Park Building 3rd, Bantian Street, Longgang District, Shenzhen. P. R. C.	
Factory:	HUIZHOU HENG DA INFINITE COMMUNICATION EQUIPMENTS LIMITED	
Address:	The Second Floor B01 No.15 Wanli Industrial Zone, Gan Po Hang, Huiyang Town, Huizhou	

5.2 General Description of E.U.T.

Product Name:	Smart Phone
Model No.:	Eternity H68
Power supply:	Rechargeable Li-ion Battery DC3.8V, 2700mAh
AC adapter :	Model: HJ-0501000E1-US Input: AC100-240V, 50/60Hz, 0.2A 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)

Telephone: +86 (0) 755 2311 8282 Fax: +86 (0) 755 2311 6366

Project No.: CCISE1809082

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

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

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



5.9 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
EMI Test Software	AUDIX	E3	\	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
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

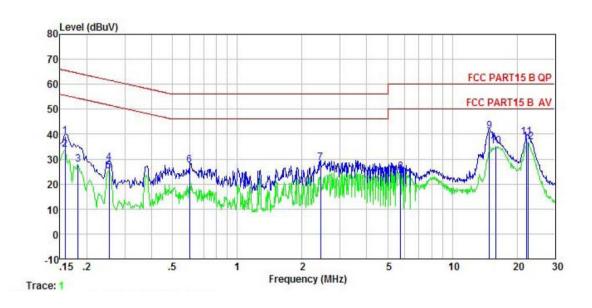
6.1 Conducted Emission

Test Requirement:	FCC Part 15 B Section 15.10)7			
Test Method:	ANSI C63.4:2014				
Test Frequency Range:	150kHz to 30MHz				
Class / Severity:	Class B				
Receiver setup:	RBW=9kHz, VBW=30kHz				
Limit:	Francisco (MILIE)	Lim	nit (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	m of the frequency.			
Test setup:	Reference Plan	ne			
	AUX 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 500hm/50uH coupling impedance for the measuring equipment. The peripheral devices are also connected to the main power through a LISN that provides a 500hm/50uH coupling impedance with 500hm 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 details				
Test results:	Pass				
Tool Toolilo.	1 433				



Measurement data:

Product name:	Smart Phone	Product model:	Eternity H68
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%



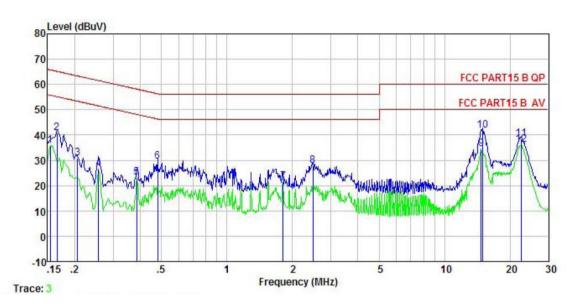
Kemark	:							
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∀	dB	dB	dBu∀	dBu₹	dB	
	111111	ша.			aba.	ша,		
1	0.158	28.30	0.17	10.77	39.24	65.56	-26.32	QP
1 2 3 4 5 6 7 8	0.158	22.84	0.17	10.77	33.78	55.56	-21.78	Average
3	0.182	16.96	0.16	10.77	27.89	54.42	-26.53	Average
4	0.253	17.57	0.14	10.75	28.46	61.64	-33.18	QP
5	0.253	14.38	0.14	10.75	25.27	51.64	-26.37	Average
6	0.601	16.46	0.13	10.77	27.36	56.00	-28.64	QP
7	2.435	17.57	0.15	10.94	28.66	56.00	-27.34	QP
8	5.744	13.66	0.22	10.83	24.71	50.00	-25.29	Average
9	14.828	29.95	0.32	10.90	41.17	60.00	-18.83	QP
10	15.970	23.80	0.31	10.91	35.02	50.00	-14.98	Average
11	22.063	27.58	0.30	10.90	38.78		-21.22	
12	22.416	25.60	0.31	10.90	36.81	50.00	-13.19	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:	Eternity H68
Test by:	Caffrey	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%



Remark	:	D 1	LICH	C-1-1-		* :- : .	^	
	Freq	Read Level	LISN Factor	Cable Loss	Level	Limit Line	Over Limit	Remark
	MHz	dBu∜	<u>dB</u>	<u>dB</u>	dBu∜	dBu∜	<u>dB</u>	
1	0.154	23.98	0.98	10.78	35.74	55.78	-20.04	Average
2	0.166	29.14	0.97	10.77	40.88	65.16	-24.28	QP
3	0.206	19.14	0.92	10.76	30.82	63.36	-32.54	QP
4	0.258	14.70	0.95	10.75	26.40	51.51	-25.11	Average
5	0.385	11.49	0.97	10.72	23.18	48.17	-24.99	Average
6	0.481	17.76	0.97	10.75	29.48	56.32	-26.84	QP
1 2 3 4 5 6 7 8 9	1.810	9.46	0.98	10.95	21.39	46.00	-24.61	Average
8	2.487	16.09	0.99	10.94	28.02	56.00	-27.98	QP
9	14.750	22.74	0.91	10.90	34.55	50.00	-15.45	Average
10	14.907	30.11	0.90	10.90	41.91	60.00	-18.09	QP
11	22.416	26.81	0.68	10.90	38.39	60.00	-21.61	QP
12	22.535	24.67	0.68	10.90	36.25	50.00	-13.75	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

FCC Part 15 B	FCC Part 15 B Section 15.109							
ANSI C63.4:201	14							
30MHz to 6000I	MHz							
Measurement D	istance: 3	3m (Se	mi-Anechoi	c Chan	nber)			
Frequency			RBW			Remark		
30MHz-1GHz						Quasi-peak Value		
Above 1GHz						Peak Value		
Frequenc					7∠ 	Average Value Remark		
		LIIIII	,	20111)		Quasi-peak Value		
						Quasi-peak Value		
						Quasi-peak Value		
						Quasi-peak Value		
			54.0			Average Value		
Above 1Gi	72		74.0			Peak Value		
Ground Plane — Above 1GHz	4m V Sm Im R FUT	Ground R	Horn Anter	Searc Anten RF Test Receiver	h na			
	ANSI C63.4:201 30MHz to 6000I Measurement D Frequency 30MHz-1GHz Above 1GHz Frequenc 30MHz-88M 88MHz-216M 216MHz-960 960MHz-1G Above 1GHz Below 1GHz Frequence 30MHz-1GHz Above 1GHz	ANSI C63.4:2014 30MHz to 6000MHz Measurement Distance: 3 Frequency Detection of the peasurement Distance: 3 Frequency South Peasurement Distance: 3 Frequency South Peasurement Distance: 3 Frequency Detection of the peasurement Distance: 3 Frequency South Peasurement Distance: 3 Frequency Detection of the peasurement Distance: 3 Frequency South P	ANSI C63.4:2014 30MHz to 6000MHz Measurement Distance: 3m (Se Frequency Detector 30MHz-1GHz Quasi-peak Above 1GHz RMS Frequency Limit 30MHz-88MHz 88MHz-216MHz 216MHz-960MHz 960MHz-1GHz Above 1GHz Below 1GHz Below 1GHz Above 1GHz Above 1GHz	ANSI C63.4:2014 30MHz to 6000MHz Measurement Distance: 3m (Semi-Anechoi Frequency Detector RBW 30MHz-1GHz Quasi-peak 120kHz RMS 1MHz RMS 1MHz Frequency Limit (dBuV/m @ 30MHz-88MHz 40.0 88MHz-216MHz 43.5 216MHz-960MHz 46.0 960MHz-1GHz 54.0 Above 1GHz 74.0 Below 1GHz Below 1GHz Above 1GHz Above 1GHz Above 1GHz Above 1GHz Above 1GHz Above 1GHz	ANSI C63.4:2014 30MHz to 6000MHz Measurement Distance: 3m (Semi-Anechoic Charles of the control of the contro	ANSI C63.4:2014 30MHz to 6000MHz Measurement Distance: 3m (Semi-Anechoic Chamber) Frequency Detector RBW VBW 30MHz-1GHz Quasi-peak 120kHz 300kHz Above 1GHz Peak 1MHz 3MHz RMS 1MHz 3MHz Frequency Limit (dBuV/m @3m) 30MHz-88MHz 40.0 (0.000		





Test Procedure:	1. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation.							
	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.							
	ground		the maximun	n value of the	field stren			
	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.							
	limit spe EUT wo margin	cified, then te	esting could bed. Otherwise ested one by	be stopped a the emission one using pe	nd the peal ons that did eak, quasi- _l			
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 observed value above 6GHz ware the niose floor , which were recorded							

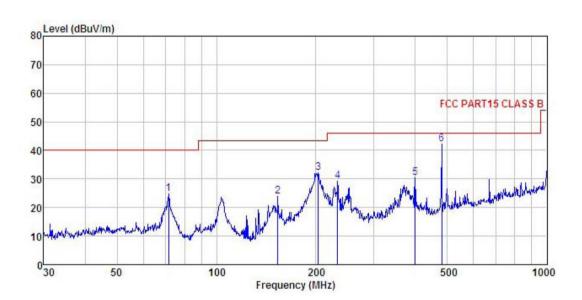


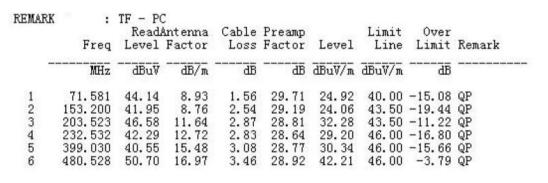


Measurement Data:

Below 1GHz:

Product Name:	Smart Phone	Product model:	Eternity H68
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%





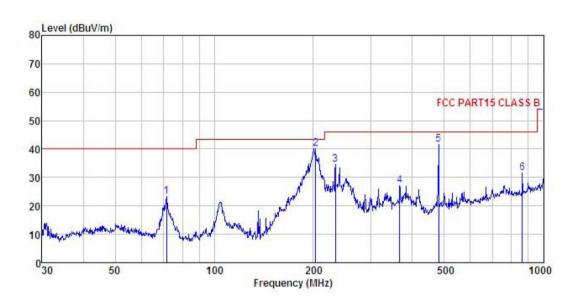
Remark

- 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.

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Product Name:	Smart Phone	Product model:	Eternity H68
Test By:	Caffrey	Test mode:	PC mode
Test Frequency:	30 MHz ~ 1 GHz	Polarization:	Horizontal
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%



REMARK	2000		C Antenna Factor				Limit Line	Over Limit	Remark
	MHz	dBu∜	-dB/m	<u>d</u> B	<u>dB</u>	$\overline{dBuV/m}$	dBu√/m	<u>dB</u>	
1	71.581	42.42	120 000 000 000	1.56				-16.80	
2	203.523 233.349			2.87 2.83		40.29 34.52		-3.21 -11.48	10.1-2
4	365.539	37.68	14.89	3.09	28.63	27.03	46.00	-18.97	QP
1 2 3 4 5 6	480.528 863.056		16.97 21.57	3.46 4.07				-4.45 -14.42	and the second s

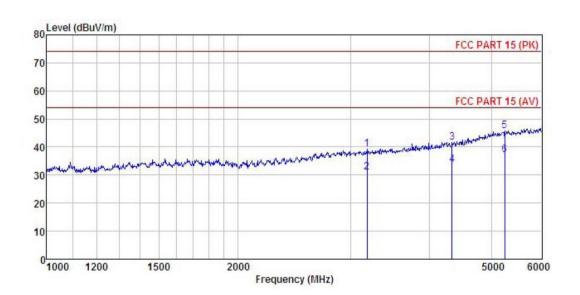
Remark:

- 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:	Eternity H68		
Test By:	Caffrey	Test mode:	PC mode		
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Vertical		
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%		



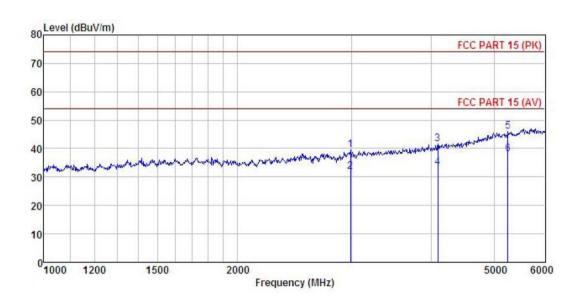
REMAR			Antenna Factor		Preamp Factor	Level	Limit Line	Over Limit	Remark
-	MHz	dBu∜	$\overline{-}\overline{dB}/\overline{m}$	<u>d</u> B	<u>d</u> B	$\overline{dBuV/m}$	dBuV/m	<u>d</u> B	
1	3189.176	46.66	28.72	5.42	41.41	39.39	74.00	-34.61	Peak
2 3 4	3189.176	38.24	28.72	5.42	41.41	30.97	54.00	-23.03	Average
3	4337.145	46.06	30.82	6.62	41.92	41.58	74.00	-32.42	Peak
4	4337.145	38.13	30.82	6.62	41.92	33.65	54.00	-20.35	Average
5	5248.359	48.45	32.15	7.09	41.93	45.76		-28.24	
6	5248.359	39.87	32.15	7.09	41.93	37.18	54.00	-16.82	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.



Product Name:	Smart Phone	Product model:	Eternity H68		
Test By:	Caffrey	Test mode:	PC mode		
Test Frequency:	1 GHz ~ 6 GHz	Polarization:	Horizontal		
Test Voltage:	AC 120/60Hz	Environment:	Temp: 24℃ Huni: 57%		



REMARI			Antenna Factor		Preamp Factor		Limit Line	Over Limit	Remark
-	MHz	dBu∜	— <u>d</u> B/m		<u>d</u> B	dBuV/m	dBuV/m	<u>dB</u>	
1	2990.819	47.06	28.58	5.34	41.52	39.46	74.00	-34.54	Peak
2	2990.819	39.48	28.58	5.34	41.52	31.88	54.00	-22.12	Average
2	4091.203	46.96	30.37	6.23	41.81	41.75	74.00	-32.25	Peak
4	4091.203	38.68	30.37	6.23	41.81	33.47	54.00	-20.53	Average
5	5258.582	48.77	32.16	7.09	41.93	46.09	74.00	-27.91	Peak
6	5258.582	40.86	32.16	7.09	41.93	38.18	54.00	-15.82	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.