

FCC 47 CFR PART 15 SUBPART B TEST REPORT

For

Applicant: PARKTEL FZE

Address: WARE HOUSE NO: FF01,ROUND ABOUT NO: 05,

JEBEL ALI FREEZONE DUBAI U.A.E

Product Name: GSM Mobile Phone

Model Name: U-140-2, U-140-1

Brand Name: unnecto ™

FCC ID: OLEU140

Report No.: STS130408F1

Date of Issue: April 22, 2013

Issued by: Shenzhen Super Test Service Technology Co., Ltd.

Address: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan,

Shenzhen, Guangdong, China

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1. VERIFICATION OF CONFORMITY

Equipment Under Test: GSM Mobile Phone

Brand Name:unnecto ™Model Number:U-140-2Series Model Name:U-140-1

Series Model Difference

description:

The same mainboard, but U-140-2 is dual SIM card, U-140-1 is

single SIM card.

FCC ID: OLEU140

Applicant: PARKTEL FZE

WARE HOUSE NO: FF01, ROUND ABOUT NO: 05,

JEBEL ALI FREEZONE DUBAI U.A.E

Manufacturer: PROFIT HARVEST CORPORATION LIMITED

FLAT/RM,506C 5/F INNOCENTRE, 72 TAT CHEE AVENUE,KOWLOON

TONG, KL, HONGKONG

Technical Standards: FCC Part 15 B **File Number:** STS13048F1

Date of test: April 5, 2013-April 22, 2013

Deviation: None
Condition of Test Sample: Normal
Test Result: PASS

The above equipment was tested by Shenzhen Super Test Service Technology Co., Ltd. for compliance with the requirements set forth in FCC Part 15 and the Technical Standards mentioned above. This said equipment in the configuration described in this report shows the maximum emission levels emanating from equipment and the level of the immunity endurance of the equipment are within the compliance requirements.

The test results of this report relate only to the tested sample identified in this report.

Petter Ping April 22, 2013

Review by (+ signature):

July Wen April 22, 2013

Approved by (+ signature):

Terry Yang April 22, 2013

2. GENERAL INFORMATION

2.1 PRODUCT INFORMATION

EUT1- Mobile Phone	
Description:	GSM Mobile Phone
Model Name:	U-140-2
Serial No.:	U-140-1
Model Difference description:	The same mainboard, but U-140-2 is dual SIM card, U-140-1 is single SIM card.
Frequency:	Tx: 824.2-848.8 MHz 1850.2-1909.8 MHz
	Rx: 849.2-893.8 MHz 1930.2-1989.8 MHz
Hardware Version:	SP11D_MB_V2.0
Software Version:	JSP11DP0220_GST_SP11D_S330_PARKTEL_M10_3232_MF_V02_
	20130320_stone
EUT2- Battery	
Description:	Lithium-ion Battery
Model Name:	BU-140
Brand Name:	unnecto ™
Manufacturer:	Guangdong Teamgiant Electronics Co., LTD
Capacitance:	600 mAh
Rated Voltage:	3.7V
Charge Limit:	4.2V
EUT3 – Power Supply	
Description:	Travel Charger
Model Name:	CU-140
Brand Name:	unnecto ™
Manufacturer:	Shenzhen Aohai Technology co.,LTD
Rated Input:	AC 100-240V, 50/60Hz, 0.15A
Rated Output:	DC 5V, 0.5A
Length of USB cable:	1.0m

NOTE:

- 1. The EUT is a model of GSM Portable Mobile Station (MS). It consists of **hand telephone set**, **Lithium battery**, **USB cable**, **headphone** and **Charger** as listed above.
- 2. Please refer to Appendix 2 for the photographs of the EUT. For a more detailed features description about the EUT, please refer to User's Manual.

2.2 OBJECTIVE

Perform FCC Part 15 Subpart B tests for FCC Marking.

2.3 TEST STANDARDS AND RESULTS

Test items and the results are as bellow:

EMISSION								
Standard	Result	Remarks						
FCC 47 CFR Part 15 Subpart B	§15.107	Conducted Emission	PASS	Meet Class B limit				
(10-1-05 Edition)	§15.109	Radiated Emission	PASS	Meet Class B limit				

Note:

- 1. The test result judgment is decided by the limit of measurement standard
- 2. The information of measurement uncertainty is available upon the customer's request.

2.4 ENVIRONMENTAL CONDITIONS

During the measurement the environmental conditions were within the listed ranges:

- Temperature: 15-35°C - Humidity: 30-60 %

- Atmospheric pressure: 86-106 kPa

3. TEST FACILITY

Test Site: Most Technology Service Co., Ltd.

Location: No.5, Langshan 2nd Rd., North Hi-Tech Industrial park, Nanshan, Shenzhen,

Guangdong ,China

Description: There is one 3m semi-anechoic an area test sites and two line conducted labs for final

test. The Open Area Test Sites and the Line Conducted labs are constructed and calibrated to meet the FCC requirements in documents ANSI C63.4:2009 and CISPR

16 requirements. The FCC Registration Number is **490827.**

The CNAS Registration Number is CNAS L3573.

Site Filing: The site description is on file with the Federal Communications

Commission, 7435 Oakland Mills Road, Columbia, MD 21046.

Instrument Tolerance: All measuring equipment is in accord with ANSI C63.4:2009 and CISPR 16

requirements that meet industry regulatory agency and accreditation agency

requirement.

Ground Plane: Two conductive reference ground planes were used during the Line Conducted

Emission, one in vertical and the other in horizontal. The dimensions of these ground planes are as below. The vertical ground plane was placed distancing 40 cm to the rear of the wooden test table on where the EUT and the support equipment were placed during test. The horizontal ground plane projected 50 cm beyond the footprint of the EUT system and distanced 80 cm to the wooden test table. For Radiated Emission Test, one horizontal conductive ground plane extended at least 1m beyond the periphery of the EUT and the largest measuring antenna, and covered the entire area between the EUT and the antenna. It has no holes or gaps having longitudinal

dimensions larger than one-tenth of a wavelength at the highest frequency of

measurement up to 1GHz.

4. TEST EQUIPMENT LIST

4.1 SETUP CONFIGURATION OF EUT

See test photographs attached in Appendix 1 for the actual connections between EUT and support equipment.

4.2 SUPPORT EQUIPMENT

Device Type	Manufacturer	Model Name	Serial No.	Data Cable Power Cable
Micro SD CARD	Kingston	1G	0907T139090	N/A
Notebook	Apple	A1278	C2WF9XN2DH2G	
Adapter	Apple	A1344	N/A	2.0 m shield

Remark:

All the equipment/cables were placed in the worst-case [-configuration to maximize the emission during the test.

Grounding was established in accordance with the manufacturer's requirements and conditions for the intended use.

4. 3 TEST EQUIPMENT LIST

Instrumentation: The following list contains equipment used at MOST for testing. The equipment conforms to the CISPR 16-1 / ANSI C63.2 Specifications for Electromagnetic Interference and Field Strength Instrumentation from 10 kHz to 1.0 GHz or above.

No.	mentation from 10 kHz to 1 Equipment	Manufacturer	Model No.	S/N	Calibration	Calibration
1	Test Receiver	Rohde & Schwarz	ESCI	100492	date 2013/03/14	due date 2014/03/14
2	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2013/03/14	2014/03/14
3	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2013/03/14	2014/03/14
4	Terminator	Hubersuhner	50Ω	No.1	2013/03/14	2014/03/14
5	RF Cable	SchwarzBeck	N/A	No.1	2013/03/14	2014/03/14
6	Test Receiver	Rohde & Schwarz	ESPI	101202	2013/03/14	2014/03/14
7	Bilog Antenna	Sunol	JB3	A121206	2013/03/14	2014/03/14
8	Test Antenna - Horn	Schwarzbeck	BBHA 9120C		2013/03/14	2014/03/14
9	Test Antenna - LOOP	Schwarzbeck	HFRA 5149		2013/03/14	2014/03/14
10	Cable	Resenberger	N/A	NO.1	2013/03/14	2014/03/14
11	Cable	SchwarzBeck	N/A	NO.2	2013/03/14	2014/03/14
12	Cable	SchwarzBeck	N/A	NO.3	2013/03/14	2014/03/14
13	DC Power Filter	DuoJi	DL2×30B	N/A	2013/03/14	2014/03/14
14	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2013/03/14	2014/03/14
15	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2013/03/14	2014/03/14
16	Spectrum Analyzer	Agilent	4408B	MY41440460	2013/03/14	2014/03/14
17	Absorbing Clamp	Luthi	MDS21	3635	2013/03/14	2014/03/14
18	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2013/03/14	2014/03/14
19	AC Power Source	Kikusui	AC40MA	LM003232	2013/03/14	2014/03/14
20	Test Analyzer	Kikusui	KHA1000	LM003720	2013/03/14	2014/03/14
21	Line Impendence Network	Kikusui	LIN40MA- PCR-L	LM002352	2013/03/14	2014/03/14
22	ESD Tester	Kikusui	KES4021	LM003537	2013/03/14	2014/03/14
23	EMCPRO System	EM Test	UCS-500-M4	V064810202 6	2013/03/14	2014/03/14
24	Signal Generator	IFR	2032	203002/100	2013/03/14	2014/03/14
25	Amplifier	A&R	150W1000	301584	2013/03/14	2014/03/14
26	CDN	FCC	FCC-801-M2-25	47	2013/03/14	2014/03/14
27	CDN	FCC	FCC-801-M3-25	107	2013/03/14	2014/03/14
28	EM Injection Clamp	FCC	F-203I-23mm	403	2013/03/14	2014/03/14
29	RF Cable	MIYAZAKI	N/A	No.1/No.2	2013/03/14	2014/03/14
30	Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU200	0304789	2013/03/14	2014/03/14
31	Telecommunication Antenna	European Antennas	PSA 75301R/170	0304213	2013/03/14	2014/03/14
			GDS-250	N/A	2013/03/14	2014/03/14

NOTE: Equipments listed above have been calibrated and are in the period of validation.

5. 47 CFR PART 15B REQUIREMENTS

5.1 GENERAL INFORMATION

EUT Function and Test Mode

Mode 1: Idle Mode

The MS was registered to the base station simulator but no call was set up.

The EUT configuration of the emission test was **MS** + **Battery**+ **Charger**.

Mode 2: USB Mode

During the test, the MS was connected with the notebook and made the data transmission function continuously.

The EUT configuration of the emission test was **MS + Battery+ USB Cable+ Notebook** (Apple Macbook Pro, Model: A1278, SN: CZWF9XN2DH2G).

Note: Due to the different configuration and test, in this list only some worse mode. The worst test data of the worse mode is reported by this report.

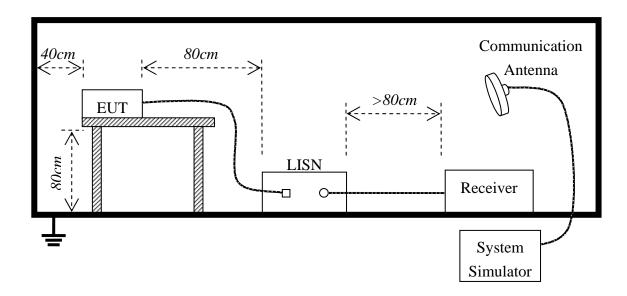
6. LINE CONDUCTED EMISSION TEST

6.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Fraguency	Maximum RF Line Voltage				
Frequency	Q.P.(dBuV)	Average(dBuV)			
150kHz-500kHz	66-56	56-46			
500kHz-5MHz	56	46			
5MHz-30MHz	60	50			

^{**}Note: 1. the lower limit shall apply at the transition frequency.

6.2. BLOCK DIAGRAM OF TEST SETUP



^{2.} The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz

6.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per FCC Part 15 (see Test Facility for the dimensions of the ground plane used). When the EUT is floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.

- 2) Support equipment, if needed, was placed as per FCC Part 15.
- 3) All I/O cables were positioned to simulate typical actual usage as per FCC Part 15.
- 4) The EUT received DC 5V by AC/DC adapter or USB port of notebook which through a Line Impedance Stabilization Network (LISN) which supplied power source and was grounded to the ground plane.
- 5) All support equipments received power from a second LISN supplying power of AC 120V/60Hz, if any.
- 6) The EUT test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
- 7) Analyzer / Receiver scanned from 150 kHz to 30 MHz for emissions in each of the test modes.
- 8) During the above scans, the emissions were maximized by cable manipulation.
- 9) The following test mode(s) were scanned during the preliminary test:

Preliminary Conducted Emission Test							
Frequency Range Investigated 150KHz TO 30 MHz							
Mode of operation	Date	Report No.	Data#	Worst Mode			
Idle Mode	2013-4-12	STS130408F1	U-140-2_1_(L, N)				
USB Mode	2013-4-12	STS130408F1	U-140-2_7_(L, N)	\boxtimes			

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

6.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

EUT and support equipment was set up on the test bench as per step 9 of the preliminary test.

A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less –2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.

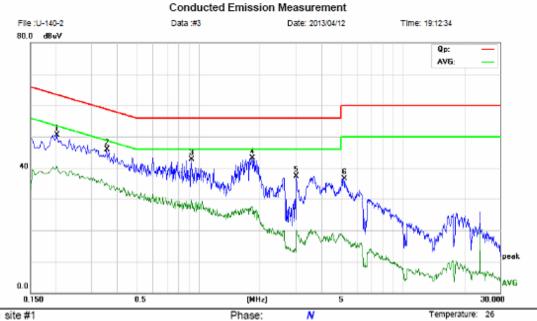
The test data of the worst case condition(s) was reported on the Summary Data page.

6.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong, China

Tel: 0755-86170306 Fax: 0755-86170310



Power: AC 120V/60Hz

Humidity: 60 %

Site site #1

Limit: FCC Part15 B Class B QP

EUT: Gsm Mobile Phone

M/N: U-140-2 Mode: USB Note:

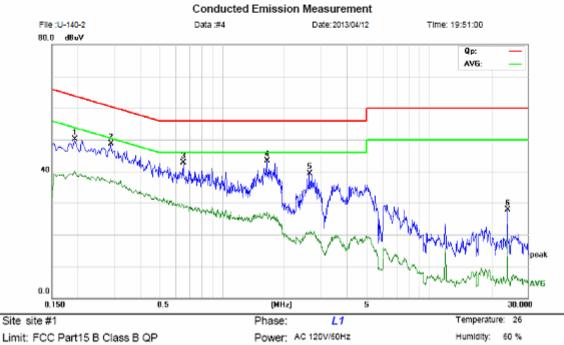
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHZ	dBu√	dB	dBuV	dBuV	dB	Detector	Comment
1	×	0.2020	38.61	11.99	50.60	63.53	-12.93	peak	
2		0.3540	34.89	10.97	45.86	58.87	-13.01	peak	
3		0.9220	32.76	10.00	42.76	56.00	-13.24	peak	
4		1.8220	33.87	9.18	43.05	56.00	-12.95	peak	
5		3.0060	27.37	10.01	37.38	56.00	-18.62	peak	
6		5.1500	24.57	11.91	36.48	60.00	-23.52	peak	

^{*:}Maximum data x:Over limit !:over margin



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong ,China

Tel: 0755-86170306 Fax: 0755-86170310



Limit: FCC Part15 B Class B QP

EUT: Gsm Mobile Phone

M/N: U-140-2 Mode: USB Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		
		MHZ	dBu∨	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1940	38.40	11.64	50.04	63.86	-13.82	peak	
2	×	0.2900	37.25	11.40	48.65	60.52	-11.87	peak	
3		0.6500	32.80	10.00	42.80	56.00	-13.20	peak	
4		1.6460	34.03	9.35	43.38	56.00	-12.62	peak	
5		2.6460	29.58	9.65	39.23	56.00	-16.77	peak	
6		23.9980	18.97	9.00	27.97	60.00	-32.03	peak	

Humidity: 60 %

^{*:}Maximum data x:Over limit !:over margin

7. RADIATED EMISSION TEST

7.1. LIMITS OF RADIATED DISTURBANCES AT 3M DISTANCES FOR CLASS B

According to FCC section 15.109, except as provided elsewhere in this subpart, the emissions from an intentional radiator shall not exceed the field strength levels specified in the following table:

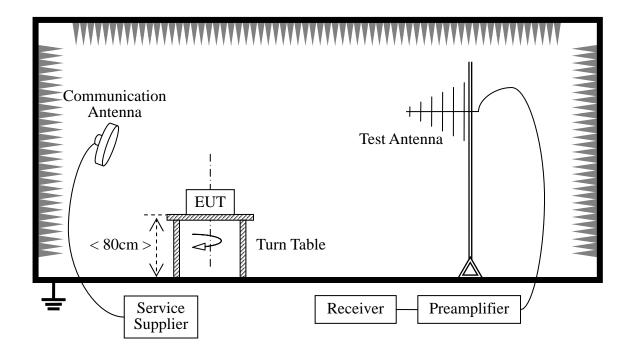
Frequency (MHz)	Field Strength (µV/m)	Measurement Distance (m)
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

NOTE:

- 1. Field Strength ($dB\mu V/m$) = 20*log[Field Strength ($\mu V/m$)].
- 2. In the emission tables above, the tighter limit applies at the band edges.

7.2 TEST DESCRIPTION

Test Setup:



The EUT is powered by the Battery charged with the AC Adapter which is powered by 120V, 60Hz AC mains supply. The Module is located in a 3m Semi-Anechoic Chamber; the antenna factors, cable loss and so on of the site as factors are calculated to correct the reading. During the measurement, the EUT is activated and transmitting with the other Bluetooth device (Supply by the Applicant) during the test.

For the Test Antenna:

(a) In the frequency range of 9 kHz to 30MHz, magnetic field is measured with Loop Test Antenna. The Test Antenna is positioned with its plane vertical at 1m distance from the EUT. The center of the Loop Test Antenna is 1m above the ground. During the measurement the Loop Test Antenna rotates about its vertical axis for maximum response at each azimuth about the EUT.

(b) In the frequency range above 30MHz, Bi-Log Test Antenna (30MHz to 1GHz) and Horn Test Antenna (above 1GHz) are used. Test Antenna is 3m away from the EUT. Test Antenna height is varied from 1m to 4m above the ground to determine the maximum value of the field strength. The emission levels at both horizontal and vertical polarizations should be tested.

Preliminary Radiated Emission Test							
Frequency	y Range Invest	Range Investigated 30 MHz TO 1000 MHz					
Mode of operation	Date	Report No.	Data#	Worst Mode			
Idle Mode	2013-4-12	STS130408F1	U-140-2_1_(H, V)				
USB Mode	2013-4-12	STS130408F1	U-140-2_2_(H, V)				

7.3 TEST RESULT

Form 9KHz to 30MHz:

Freq. (MHz)	Ant. Pol H/V	Peak Reading	AV Reading	Ant. / CL CF	Actual Fs		Peak Limit	AV Limit	AV Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
N/A	Н								>20
N/A	V								>20

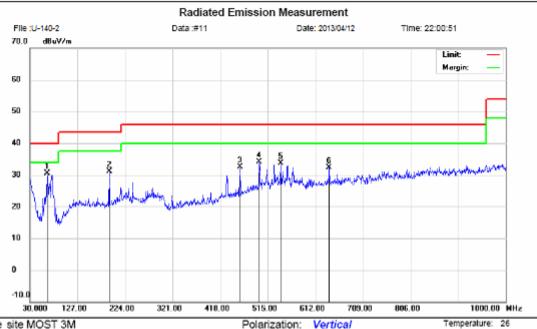
⁻No detected in below 30MHz.

Above30MHz:



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Site site MOST 3M

Limit: FCC Part15 B 3M Radiation

EUT: Gsm Mobile Phone

MN: U-140-2 Mode: USB Note:

Power: DC 5V From PC Input Ac120V/60H

Humidity: 61 %

Distance:

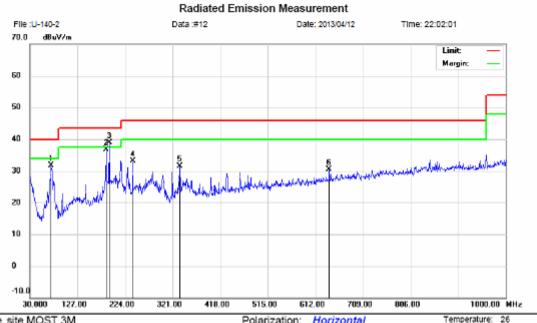
No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBu√	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	65.8900	19.11	11.37	30.48	40.00	-9.52	peak			
2		191.9900	14.36	16.70	31.06	43.50	-12.44	peak			
3		458.7400	12.24	20.34	32.58	46.00	-13.42	peak			
4		497.5400	12.73	21.45	34.18	46.00	-11.82	peak			
5		541.1900	11.39	22.22	33.61	46.00	-12.39	peak			
6		640.1300	8.40	24.00	32.40	46.00	-13.60	peak			

^{*:}Maximum data x:Over limit !:over margin



Address:No.5,Langshan 2nd Rd., North Hi-Tech Industrial park Guangdong, China

Tel: 0755-86170306 Fax: 0755-86170310



Site site MOST 3M

Limit: FCC Part15 B 3M Radiation

EUT: Gsm Mobile Phone

M/N: U-140-2 Mode: USB Note:

Polarization: Horizontal

Power: DC 5V From PC Input Ac120V/60H

Humidity:

Distance:

Reading Correct Measure-Antenna Table Limit Over No. Mk. Freq. Level Factor ment Height Degree MHz dBuV dBuV/m dBuV/m dΒ Detector degree Comment 73.6500 20.03 40.00 11.66 31.69 -8.31 1 peak 2 185.2000 20.08 16.60 36.68 43.50 -6.82 peak 3 191.9900 22.13 16.70 38.83 43.50 -4.67 peak 15.92 239.5200 17.17 33.09 46.00 4 -12.91 peak 14.37 31.43 5 335.5500 17.06 46.00 -14.57 peak 6 640.1300 6.43 24.00 30.43 46.00 -15.57 peak

^{*:}Maximum data x:Over limit !:over margin

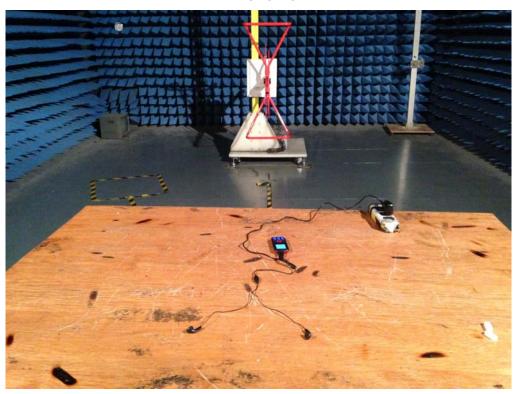
APPENDIX 1 PHOTOGRAPHS OF TEST SETUP

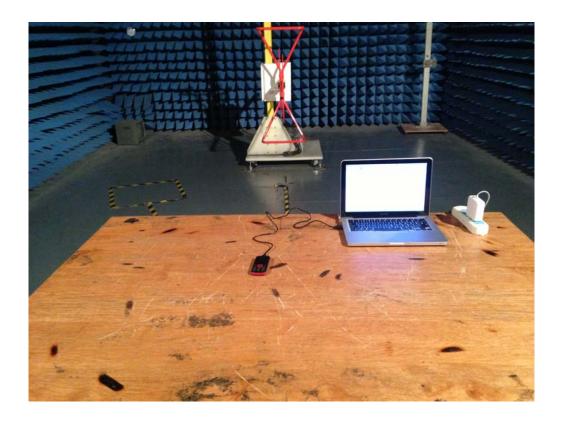
CE TEST SETUP





RE TEST SETUP





APPENDIX 2 PHOTOGRAPHS OF EUT

FRONT VIEW OF SAMPLE



BACK VIEW OF SAMPLE



LEFT VIEW OF SAMPLE



RIGHT VIEW OF SAMPLE



TOP VIEW OF SAMPLE



BOTTOM VIEW OF SAMPLE



PHOTO OF EARPHONE



PHOTO OF USB CABLE



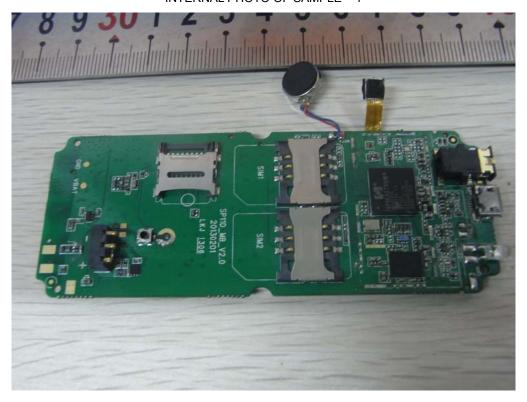




PHOTO OF BATTERY



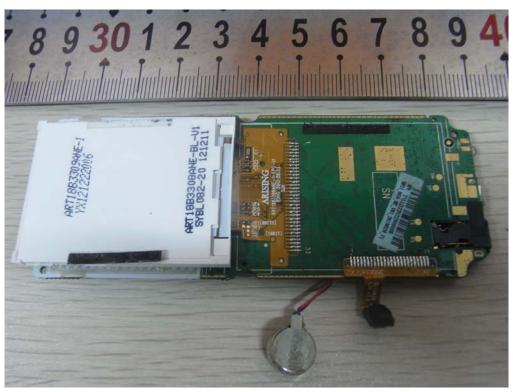
INTERNAL PHOTO OF SAMPLE - 1



INTERNAL PHOTO OF SAMPLE – 2

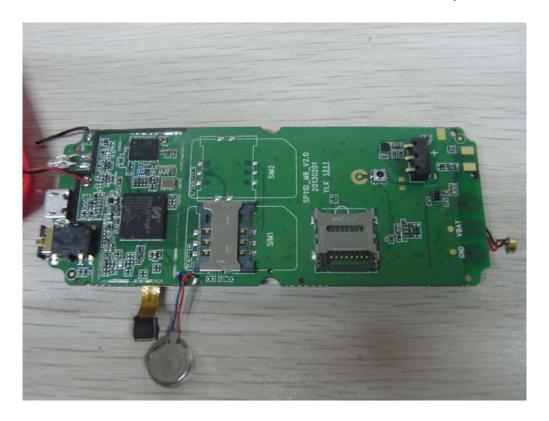


INTERNAL PHOTO OF SAMPLE -3



The Series Model Photo Sample





-----END OF REPORT-----