

FCC 47 CFR PART 15 SUBPART B TEST REPORT

For

Applicant: Ambitio LLC, The Owner of unnecto ™

Address: 1315 N.W 98th ct Suite 13 United States

Product Name: GSM MOBILE PHONE

Model Name: U-500-2

Brand Name: unnecto ™

FCC ID: ZU3UNNECTOTAP

Report No.: STS111224F1

Date of Issue: January. 4, 2012

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

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

Shenzhen, Guangdong, China

Tel: 86-755-2795 8522

Fax: 86-755-2795 8022

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1. VERIFICATION OF CONFORMITY

Equipment Under Test: GSM MOBILE PHONE

Brand Name: unnecto ™
Model Number: U-500-2
Series Model Name: N/A

Difference description: N/A

FCC ID: ZU3UNNECTOTAP

Applicant: Ambitio LLC, The Owner of unnecto ™

1315 N.W 98th ct Suite 13 United States

Manufacturer: Shenzhen Xiangyue Perfect Digital Science & Technology Co.,Ltd

Building A1, Jiujiutongxin Industrial Zone 11, Xinbu, Tongle, Longgang,

Shenzhen, China

Technical Standards: FCC Part 15 B **File Number:** STS111224F1

Date of test: December. 24,2011 ~ January. 4, 2012

Deviation:NoneCondition of Test Sample:NormalTest 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.

July Wen

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

Tested by (+ signature):

Zhang Ling January. 4, 2012

Review by (+ signature):

January. 4, 2012

Approved by (+ signature):

Terry Yang January. 4, 2012

2. GENERAL INFORMATION

2.1 PRODUCT INFORMATION

EUT1- Mobile Phone	
Description:	GSM MOBILE PHONE
Model Name:	U-500-2
Brand Name:	unnecto ™
IMEI No.:	
Frequency:	GSM 850MHz/1900MHz
Hardware Version:	V2.1
Software Version:	AAM905E_USA_EN_1_00_1C13
EUT2- Battery	
Description:	Lithium-ion Battery
Model Name:	BU-500
Brand Name:	unnecto ™
Manufacturer:	Shenzhen East Electron Co.,Ltd
Capacitance:	950 mAh
Rated Voltage:	3.7V
Charge Limit:	4.2V
EUT3 – Power Supply	
Description:	Travel Charger
Model Name:	CU-500
Brand Name:	unnecto ™
Manufacturer:	SHENZHEN ZHONGTIAN ELECTRONIC 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		Item	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: Compliance Certification Services Inc. (Kun shan) Laboratory

Location: No.10 Weiye Rd, Innovation park, Eco&Tec, Development Zone, Kunshan City,

Jiangsu, 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 424105.

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.

4. 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.	Equipment	Manufacturer	Model No.	S/N	Calibration due date
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2012/03/14
2	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2012/03/14
3	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2012/03/14
4	Terminator	Hubersuhner	50Ω	No.1	2012/03/14
5	RF Cable	SchwarzBeck	N/A	No.1	2012/03/14
6	Test Receiver	Rohde & Schwarz	ESPI	101202	2012/03/14
7	Bilog Antenna	Sunol	JB3	A121206	2012/03/14
8	Test Antenna - Horn	Schwarzbeck	BBHA 9120C		2012/03/14
9	Test Antenna - Bi-Log	Schwarzbeck	VULB 9163		2012/03/14
10	Cable	Resenberger	N/A	NO.1	2012/03/14
11	Cable	SchwarzBeck	N/A	NO.2	2012/03/14
12	Cable	SchwarzBeck	N/A	NO.3	2012/03/14
13	DC Power Filter	DuoJi	DL2×30B	N/A	2012/03/14
14	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2012/03/14
15	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2012/03/14
16	Test Receiver	Rohde & Schwarz	ESCI	100492	2012/03/14
17	Absorbing Clamp	Luthi	MDS21	3635	2012/03/14
18	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2012/03/14
19	AC Power Source	Kikusui	AC40MA	LM003232	2012/03/14
20	Test Analyzer	Kikusui	KHA1000	LM003720	2012/03/14
21	Line Impendence Network	Kikusui	LIN40MA- PCR-L	LM002352	2012/03/14
22	ESD Tester	Kikusui	KES4021	LM003537	2012/03/14
23	EMCPRO System	EM Test	UCS-500-M4	V0648102026	2012/03/14
24	Signal Generator	IFR	2032	203002/100	2012/03/14
25	Amplifier	A&R	150W1000	301584	2012/03/14
26	CDN	FCC	FCC-801-M2-25	47	2012/03/14
27	CDN	FCC	FCC-801-M3-25	107	2012/03/14
28	EM Injection Clamp	FCC	F-203I-23mm	403	2012/03/14
29	RF Cable	MIYAZAKI	N/A	No.1/No.2	2012/03/14
30	Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU200	0304789	2012/03/14
31	Telecommunication Antenna	European Antennas	PSA 75301R/170	0304213	2012/03/14

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: Call Mode

Before the measurement, the lithium battery was completely discharge.

During the measurement, the lithium battery and the charger were installed, and the MS were in charging state. A communication link was established between the MS and a System Simulator (SS). The MS operated at GSM 850/1900MHz mid ARFCN and maximum output power.

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

Mode 3: GPRS Mode

During the test, the MS was playing the GPRS function continuously.

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

Mode 4: Bluetooth Mode

During the measurement, the lithium battery and the charger were installed, and the MS were in charging state. A communication link was established between the EUT and the Bluetooth Earphone and a System Simulator (SS).

The MS operated at GSM 850/1900MHz mid and maximum output power.

During the test, the MS was playing the Bluetooth function continuously.

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

Mode 5: Wifi Mode

During the test, the MS was playing the Wifi function continuously.

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

Mode 6: MP3/MP4 Mode

During the test, the MS was playing the MP3/MP4 function continuously.

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

Mode 7: Camera Mode

During the test, the MS was playing the camera function continuously.

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

Mode 8: FM Mode

During the test, the MS was playing the FM function continuously.

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

Mode 9: 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 (MSi-MS-1224).

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.

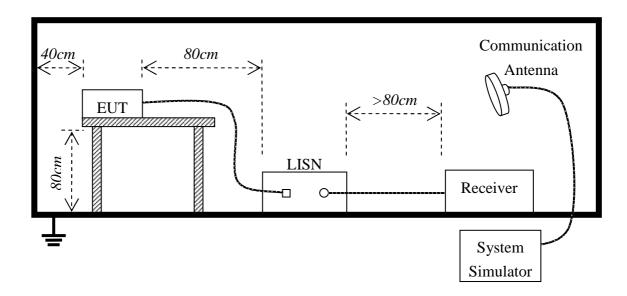
6. LINE CONDUCTED EMISSION TEST

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:

-	Prelin	ninary Conducted Em	nission Test						
Frequency Range In	vestigated		150KHz TO 30 MHz						
Mode of operation	Date	Report No.	Data#	Worst Mode					
Idle Mode	2011-12-22	STS111224F1	U-500-2_0_(L, N)						
Call Mode	2011-12-22	STS111224F1	U-500-2_1_(L, N)						
GPRS Mode	2011-12-22	STS111224F1	U-500-2_2_(L, N)						
Bluetooth Mode	2011-12-22	STS111224F1	U-500-2_3_(L, N)						
Wifi Mode	2011-12-22	STS111224F1	U-500-2_4_(L, N)						
MP3/MP4 Mode	2011-12-22	STS111224F1	U-500-2_5_(L, N)						
Camera Mode	2011-12-22	STS111224F1	U-500-2_6_(L, N)						
FM Mode	2011-12-22	STS111224F1	U-500-2_7_(L, N)						
USB Mode	2011-12-22	STS111224F1	U-500-2_8_(L, N)	\boxtimes					

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

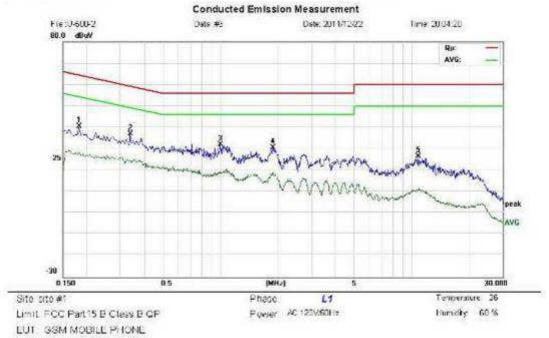
6.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

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

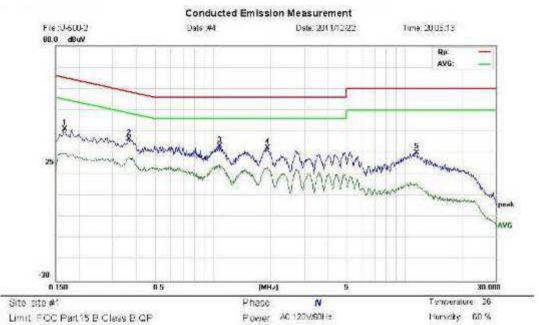


M/N U-500-2 Mode: CAMERA

Note:

No. Mk.	Frec.	Reading Love:	Correct Factor	Measure- ment	Limit	Over			
	Milz	dBe∀	df)	4014	€Dx/V	#D	Detector	Comment	
1	0.1820	40.44	0.00	40.44	84.39	-23.95	peak.		
2 *	0.3380	36.85	0.00	38.05	59 25	-22.40	peak.		
3	0.3980	31.92	0.00	31.92	56.00	-24.38	2984		
4	3.8740	30.55	0.80	30.55	56.00	-25.45	peak		
5	10.7460	26,48	0.00	28.48	80.00	-23.52	Sec		

*:Maximum data - x Over limit - Fover margin



Limit FCC Part 15 B Cleas B QP

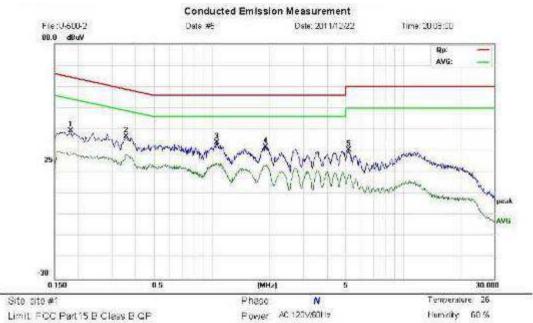
EUT GSM MOBILE PHONE

M/N U-500-2 Mode: CAMERA

Note:

Ne.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBe∀	4C	40.14	6 Bu∨	40	Detector	Convent	
1		0.1680	41.10	0.00	41.10	85.16	-24.06	598%		
2	,	0.3620	36.47	0.00	35.47	58.68	-22.21	реаж		
3		1,0820	33.23	0.00	33.23	56.00	-22.77	beak		
4		1,5980	32.40	0.00	32.40	56.00	-23.30	seek		
5		11.4620	30.07	0.03	30.07	60.00	-29.93	peak		

*Maximum data x Over limit Lover margin



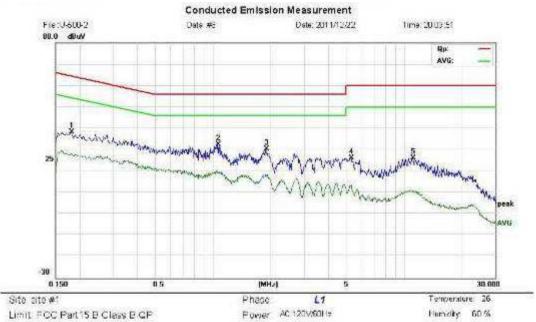
Limit FCC Part15 E Class E QP

EUT. GSM MOBILE PHONE

M/N. U-500-2 Moder CALL Note:

No.	Mk.	Frec,	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBe∨	-dfi	40.W	6 Duy	dD:	Detector	Convent	
1		0.1820	39.31	0.00	39.31	84.39	-25,08	реак		
2		0.3540	36.67	0.00	38.67	58.87	-22.20	seek		
3	7	1.0500	33.88	0.00	33.68	56.00	-22.12	peak		
4		1.8940	31.75	0.00	31.75	56 00	-24.25	peak		
5		5.14.20	30.44	0.00	30.44	80.00	-29.56	Deak		

^{*}Maximum data x Over limit Lover margin



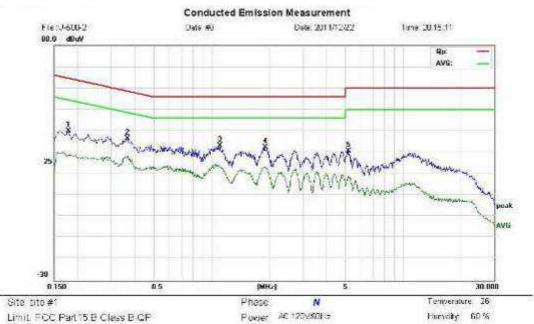
Limit FCC Part 15 B Class B CP

EUT. GSM MOBILE PHONE

M/N. U-500-2 Moder CALL Note:

No. M	c. Free	988 - EMAS	keading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz		dBe∨	-dfi	40.W	dBuy	40	Detector	Convent	
1	0.182	C	38.32	0.00	38.32	84.39	-26.07	реак		
2 *	1,062	C	32.57	0.00	32.57	56.00	-23,43	ревк		
3	1,690	C	30.38	0.00	30,36	56.00	-25.34	peak		
4	5.258	G :	26.29	0.00	28.29	60.00	-33.71	peak		
5	11:034	C	26.21	0.00	26,21	80.00	-23.79	Deak		
					1/7/10/10					

^{*}Maximum data x Over limit | Fover margin



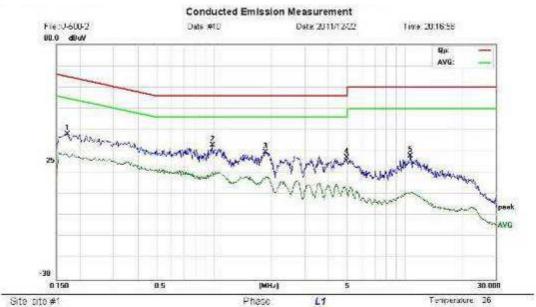
Limit, FCC Part 15 B Class B QF

EUT. GSM MOBILE PHONE.

M/N. U-500-2 Mode: WFI Note:

No. Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	L mrt	Over		
	MHz	dBo∨	аП	MOR	Alla	40	Detector	Convent
1	0.1700	39,98	0.00	39.98	64.58	-24.30	398K	
2 *	0.3620	36.34	0.00	33.34	58.68	-22.34	peak	
3	1.0940	33,19	0.00	33.19	56.00	-22.51	598K	
4:	1.8900	32.34	0.00	32.34	56.00	-23.36	реак	
5.	5.1540	30.59	0.00	30.59	86.00	-29.41	peak	

^{*}Maximum data x Overlimit (overmargin



Power AC 120V/90102

Humidity 60 %

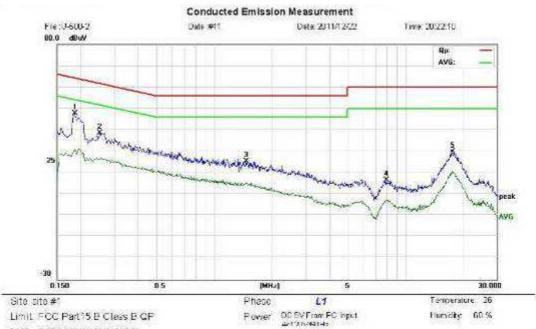
Limit FCC Part 15 B Class B QP

EUT GSM MOBILE PHONE

M/N U-500-2 Mode: WFI Note:

Ne.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
		MHz	dBu∨	Пь	40.04	6BeV	40	Detector	Comment	
3		0.1700	38.20	0.00	38,20	84.96	-26.76	9984		
-	*	0.9820	32.82	0.00	32.82	56.00	-23, 18	peak		
3		1.9580	29.50	0.00	29.50	56.00	-26.50	398K		
4		4,9580	27.05	0.00	27.05	56.00	-28,95	реак		
5		10:8280	27.91	0.03	27.91	80.00	-32.09	Sec		

^{*}Maximum data x Over limit bover margin



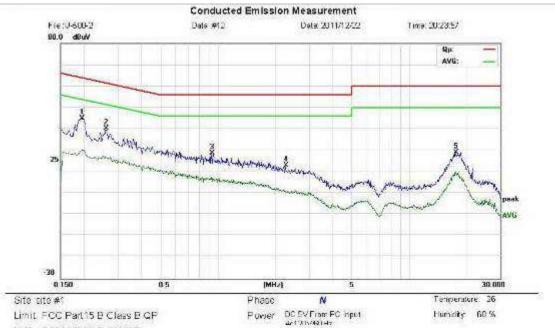
Limit FCC Part 15 B Class B QP

EUT. GSM MOBILE PHONE

M/N U-500-2 Mode: USB Note:

No. M	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBú∀	dfi	NO.	4BeV	40	fielector	Comment	
1 "	0.1960	47.64	0.00	47.84	64.21	-16.57	5984		
2	0.2500	38.71	0.00	38.71	61.76	-23.35	398K		
3	1.4620	25.48	0.00	25.48	56.00	-30.52	5928		
M	7,9020	16.52	0.00	18.52	80 00	-43.48	598K		
5	17,5500	29.77	0.00	29.77	80.00	-30.23	yeec		

^{*:}Meximum data x Over limit lover margin



Limit, FCC Part15 B Class B QP

EUT. GSM MOBILE PHONE

M/N. U-500-2 Mode: USB Note:

No, Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over			
	MHz	dBe∀	дE	40.W	d BuV	40	Detector	Convinent	
1 .	0.1940	44.99	0.00	44.99	63 86	-18.87	peak		
2	0.2580	40.22	0.00	40.22	61.50	-21.28	peak		
3	0.9260	28.65	0.00	28.65	56.00	-27,35	seec		
A	2.2700	22.97	0.00	22.97	56.00	-33.03	peak		
5	17.5160	29.00	0.00	29.00	80:00	-21.00	peak		

^{*:}Maximum data x Overlimit Tovermagin

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:

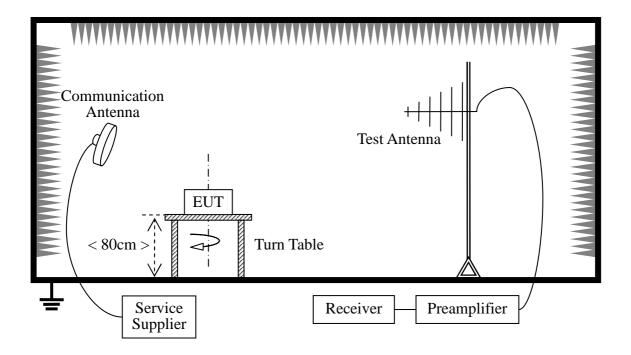
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

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.

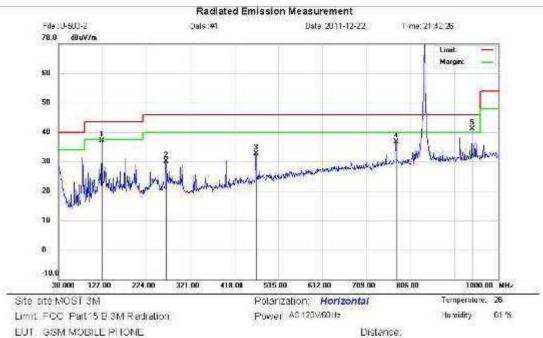
	Preli	minary Radiated Emi	ssion Test	
Frequenc	y Range Invest	igated	30 MHz TO 1000 M	Hz
Mode of operation	Date	Report No.	Data#	Worst Mode
Idle Mode	2011-12-22	STS111224F1	U-500-2_0_(H, V)	
Call Mode	2011-12-22	STS111224F1	U-500-2_1_(H, V)	
GPRS Mode	2011-12-22	STS111224F1	U-500-2_2_(H, V)	
Bluetooth Mode	2011-12-22	STS111224F1	U-500-2_3_(H, V)	
Wifi Mode	2011-12-22	STS111224F1	U-500-2_4_(H, V)	
MP3/MP4 Mode	2011-12-22	STS111224F1	U-500-2_5_(H, V)	
Camera Mode	2011-12-22	STS111224F1	U-500-2_6_(H, V)	
FM Mode	2011-12-22	STS111224F1	U-500-2_7_(H, V)	
USB Mode	2011-12-22	STS111224F1	U-500-2_8_(H, V)	

7.3 TEST RESULT

Form 9 KHz to 30MHz:

Frequency (MHz)	Ant.Pol H/V	Peak Reading	AV Reading	Ant./CL CF	Actu	al Fs	Peak Limit	AV Limit	AV Margin
(**************************************	.,,	(dBuv)	(dBuv)	(dB)	Peak (dBuv/m)	AV (dBuv/m)	(dBuv/m)	(dBuv/m)	(dB)
Н					,	,			>20
	1	I	I	1	I	I		I	
V									>20

⁻Note: No test data was detected in below 30MHz.

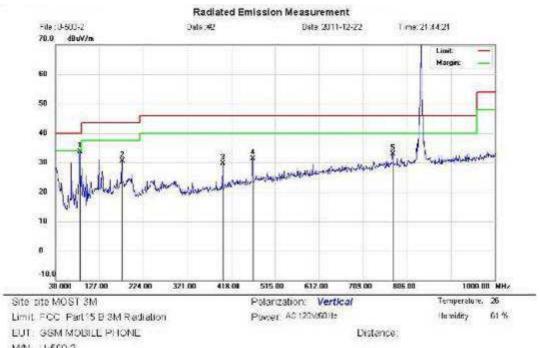


EUT: 9SM MOBILE PHONE

M/N U-500-2 Mode: CALL Note:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Cver		Antenna Height	Table Degree	
43.432		MHz	dBe∀	dП	dDuV/m	d BurVin	cD.	Detector	6M	deg en	Comment
1		26,0300	19.44	17.70	37.14	43.50	-6.36	peak			
2	- 3	265,7100	11.85	18.35	30.20	48.00	-15 20	реак			
3	1.5	65,5300	11,78	20.98	32.76	48.00	-13,24	peak			
4		773.0200	10.74	25.99	36.73	48.00	-9.27	реак	(
5	1 5	24 1.8000	13.55	27.64	41.19	48.00	-4.81	peak			

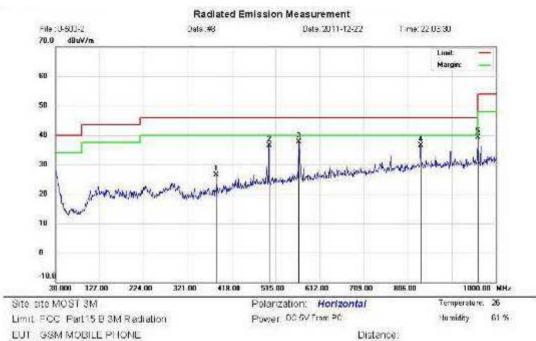
*:Maximum data x:Over limit flover margin



M/N: U-500-2 Mode: CALL Note:

No.	Mk.	Frec.	Reading Level	Correct Factor	Measure- ment	Limit	Cver		Antenna Height	Table Degree	
		Milto	dDu∨	dΠ	dDaV/w	d Buvins	eD.	Detactor	5.99	dag na	Comment
1	3	84.3200	22.33	11.32	33.85	40.00	-8.35	598K			
2		176.4700	13.68	16.89	30.58	43.50	-12.94	peak.			
3	1 17	398,5000	11.02	18.65	29.66	48.00	-16.32	peak			
A		65,5300	10.34	20.98	31.32	48.00	-14.68	peak			
ć		773.0200	6.83	25.99	32 85	46.0G	-13.15	peak	,		

^{*:}Maximum data x:Overtimit ligyer margin

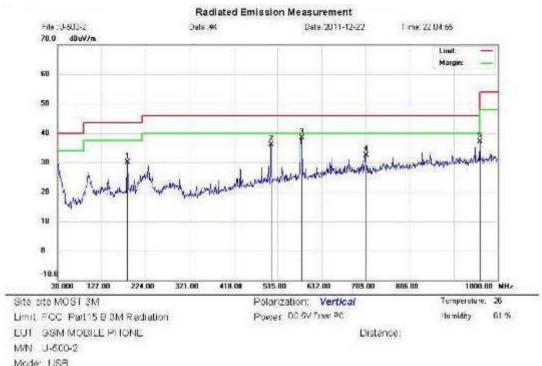


EUT. GSM MOBILE PHONE.

M/N U-500-2 Mode: USB Note:

Ne.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBe∀	4C	dDu∨/m	d Buc/ass	eO.	Detactor	6.00	dag an	Commant
1	- 6	384,0500	9.38	18,18	28.58	46.00	-19.44	peak			
2	- 5	500.4500	15,18	21.40	38,53	48.00	-9.47	реак			
3	,	566.4099	14.85	22.79	37,84	48.00	-9.26	peak			
4	8	834.1300	§.35	27.08	38.43	46.00	-9.57	peak			
5	3	960.2300	11.39	28.00	39.39	54.00	-14.61	реак			

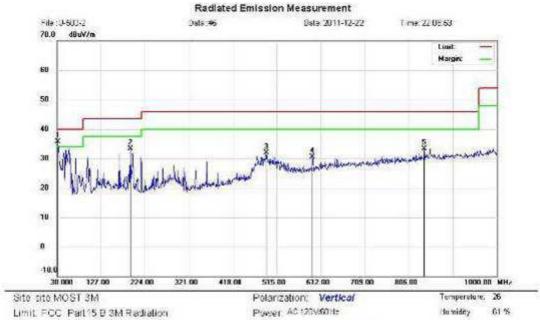
*:Maximum data x:Over limit litover margin



Mode: USB Note:

Ne.	Mk		Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
			MHz	dBe∀	dfi	dDiV/m	d Buc/ms	eO.	Detactor	cw.	dag an	Commont
1		183.	2600	13,44	16.63	30.07	43.50	-13.43	peak			
2	- 5	500.	4500	14.61	21.40	38.81	48.00	-9.99	peak			
3	,	567.	380C	15.61	22.82	38.43	48.00	-7.57	peak	1		
4	3	708.	9300	7.74	24.68	32.42	46.00	-13.58	peak			
6	3	960.	2300	9.19	28.00	37.19	54.00	-16.81	peak			

^{*}Maximum data x:Over1mit !:overmargin



EUT. GSM MOBILE PHONE

M/N: U-500-2

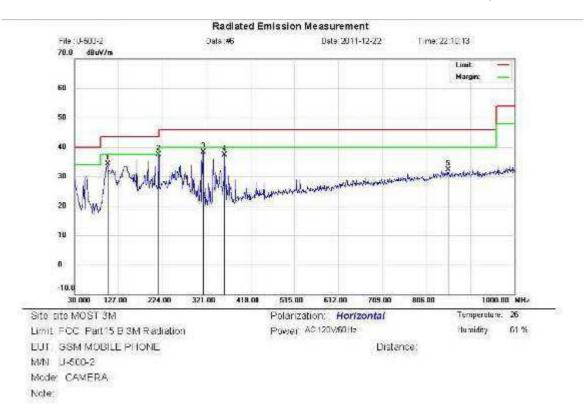
Mode: CAMERA

Note:

Na,	Mk,	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Cyor		Antenna Height	Table Degree	
		Milz	dfle∨	ΔE	dEu/v/w	d hirVen	¢Ω	Detector	5.9	dag ne	Comment
1	*	31,9400	12.30	23.31	35.61	40.00	4.39	9984			
2	- A	191.9900	16.67	16.70	33,37	43.50	-10.13	peak.			
3		491,7200	10,30	21.63	31.93	48.00	-14.07	peas.			
1	- 3	593.5700	7.65	22.84	30.49	46.00	-15.51	peak	K		
5	- 3	829.9500	6,49	27.10	33.29	46.00	-1271	peak.			

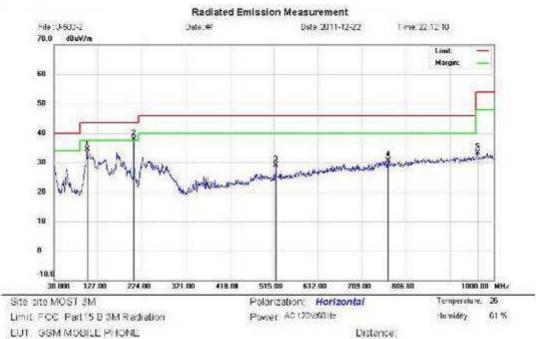
Distance:

*Maximum data x:Overfimit inovermargin



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Över		Antenna Height	Table Degree	
		MHz	dBu∀	ИÜ	dDu∨/m.	d Dick/m	cO	Detector	c.m	dag ee	Continent
1		103,7200	20,11	14.26	34.39	43.50	-9.11	peak.			
2	7	215.2700	21,45	16.12	37.57	43 50	-5,93	реак			
3		312.2700	21,60	16.69	38.29	48.00	-7.71	реак			
1		359.9000	19.06	18.30	37.38	48.00	-8.64	peak			
5	j j	854.5000	6.03	27.14	32.22	46 00	-13.78	peak			

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



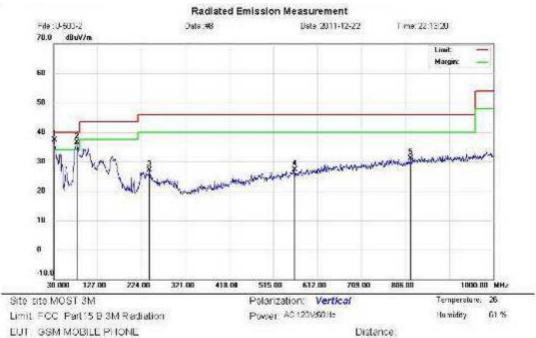
EUT. GSM MOBILE PHONE MM. U-500-2

Mode: BLUETOOTH

Note:

Ne.	Mk.	Freq.	Resding Level	Correct Factor	Measure- ment	Limit	Cyer		Antenna Height	Table Degree	
		M 17	dΩu∨	df.	dfwV/w	d Barriera	éD.	Detactor	6.08	dag aa	Comment
1		103,7200	20.26	14.26	34.54	43.50	-9.96	реак			
2	7	205.5700	20,97	17.01	37.95	43.50	-5.52	beak.			
3	-	519.850C	7.38	21,79	29.17	4€.00	-18 83	peak			
A	- 8	765.2800	4.82	25.81	30.63	46 00	-15.37	реак			
5	- 3	963.1400	5.23	28.00	33 23	51.00	-20:77	реах			

^{*:}Maximum data x:0ver1imit haver margin



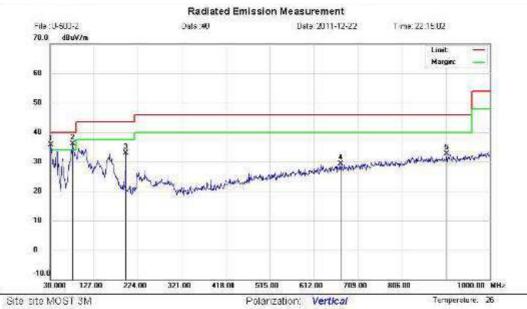
EUT. GSM MOBILE PHONE

M/N: U-500-2 Mode: BLUETOOTH

Note:

No.	Mk	Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Cyer		Antenna Height	Table Degree	
		Mile	dBe∀	dfi	dfwV/m	d Burkim	eO.	Detactor	69	dag na	Comment
1	*	30.9700	13.19	24.05	37.24	40.00	-2.78	OF			
2	1	81,4100	25.15	11.37	33.52	40.00	-3.48	D931.			
3		241.4800	9,91	17,28	27.17	46.00	-18.83	peak			
A		561,5800	4.49	22.72	27.21	46.00	-18.79	peak			
ē		818.8100	4.60	26.41	31.01	46.00	-14.99	peak			

^{*:}Maximum data x:Overfinit lover margin



Limit FCC Part 15 B 3M Radiation

Power AC120V60Hz

Distance:

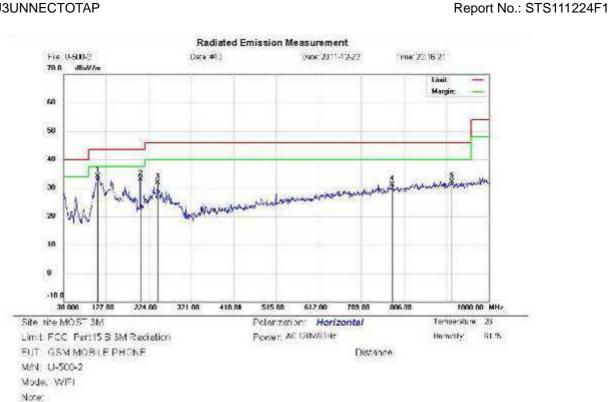
Humidity 61 %

EUT. GSM MOBILE PHONE

M/N. U-500-2 Mode: WFI Note:

No,	Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBe∀	дП	dDuV/m.	d Bu√m.	eB.	Detector	cm.	deg ee	Comment
1	T	31,9400	12.43	23.31	35.74	40.00	-4.26	peak.			
2	7	80.4400	24.71	11.39	38.10	40.00	-3.90	beak.			
3		198,8400	15.92	17,05	32.97	43.50	-10.53	peak			
4		670.2000	4.71	24.50	29.21	46 00	-16.79	реак			
5		904,9400	5.43	27.59	32.63	46.00	-13.37	peak			

^{*:}Maximum data x:Overtimit I:overmargin



No.	Mk	Freq.	Reading Level	Correct	Measure- ment	Limit	Over		Amenna Height	Table Degree	
		PA-pa	MRoV	49	di Bulyon	#ELYan	48	Detector	680	deg-ne	Commert
1	•	108.5700	18.36	15 09	34.95	43 50	-0.45	peak			
2	- 8	205.5700	16,13	17.01	33.14	43.50	- 6 36	peak			
3	- 8	245.3400	14.49	17.40	31.89	46.00	<4.11	peak			
4	- 1	778,8400	4,99	26.17	31.16	48.00	-14.04	peak			
5	3	916:5800	4.64	27.70	32.14	46.00	-13.86	peak			
_											

Notes: The spikes which exceed the limit should be ignored because they are MS and SS carrier frequency.

^{*}Maximum data x:Over limit I ever margin

The worst test data above 1 GHz was showed as the follow:

Operation Mode: CALL(850MHz) Test Date: December. 22, 2011

Temperature: 24°C **Tested by:** Habby Guo

Humidity: 70 % RH **Polarity:** Ver. / Hor.

Freq. (MHz)	Ant. H/V	Peak Reading	AV Reading	Ant./CL CF	Actual Fs		Peak Limit	AV Limit	Peak Margin	AV Margin
		(dBuV)	(dBuV)	(dB)	Peak (dBuV/m)	AV (dBuV/m)	(dBuV/m)	(dBuV/m)	(dB)	(dB)
1717.50	Н	59.83	38.92	9.06	68.89	47.98	74.00	54.00	-5.11	-6.02
2765.50	Н	56.22	35.54	9.09	65.31	44.63	74.00	54.00	-8.69	-9.37
N/A										>20
1717.50	V	56.88	36.03	9.06	65.94	45.09	74.00	54.00	-8.06	-8.91
2765.00	V	53.39	32.77	9.09	62.48	41.86	74.00	54.00	-11.52	-12.14
N/A										>20

Notes:

- 1. Measuring frequencies from 1 GHz to 6GHz.
- 2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using Peak detector mode and average detector mode of the emission shown in Actual FS column.
- 3. The frequency that above 3GHz is mainly from the environment noise.

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 POWER SUPPLY



PHOTO OF BATTERY



PHOTO OF THE ENTIRE SAMPLE



INTERNAL PHOTO OF SAMPLE - 1





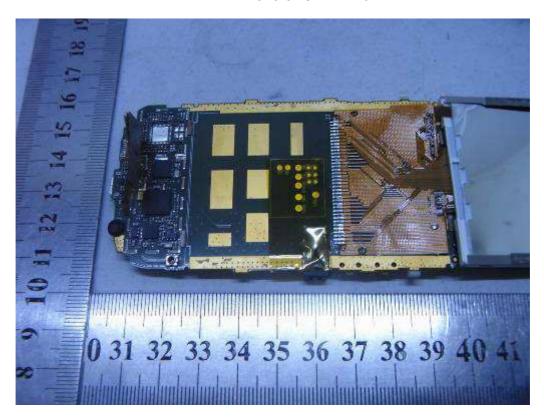
INTERNAL PHOTO OF SAMPLE -3



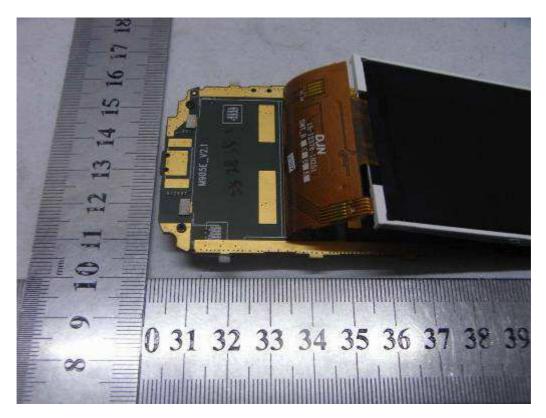


INTERNAL PHOTO OF SAMPLE -5



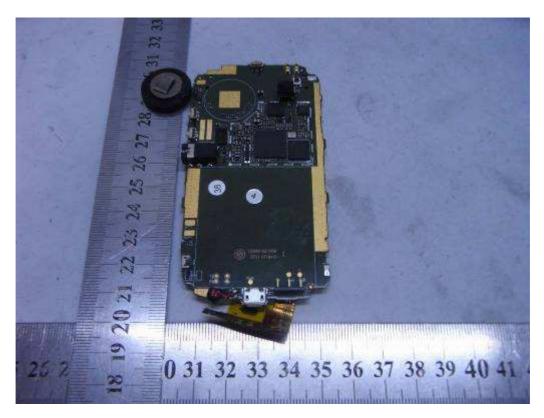


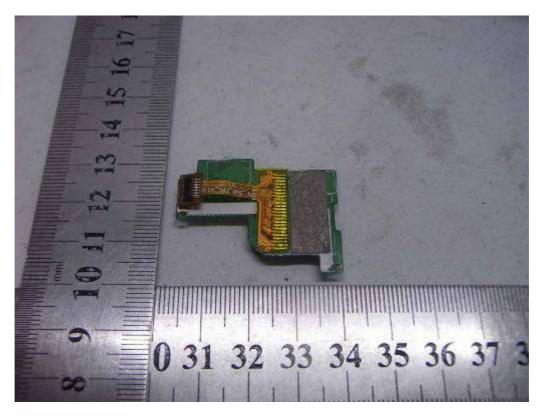
INTERNAL PHOTO OF SAMPLE -7



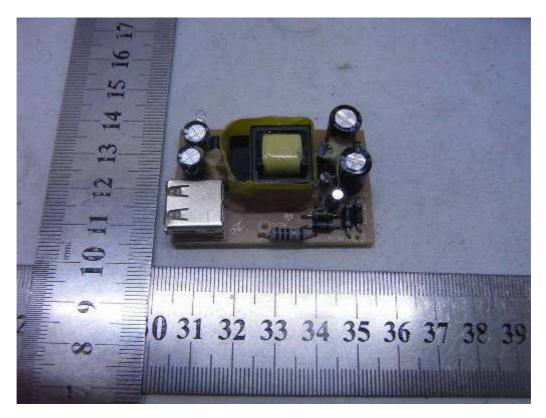


INTERNAL PHOTO OF SAMPLE -9

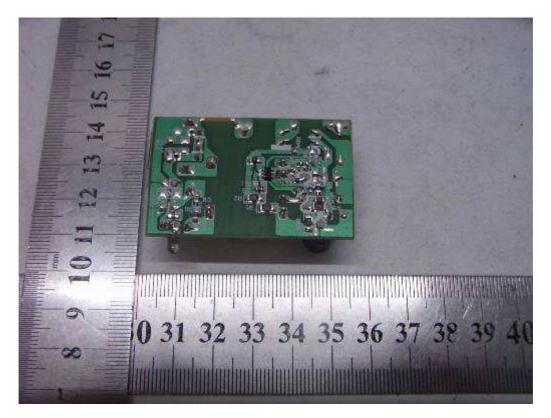




INTERNAL PHOTO OF POWER SUPPLY-1



INTERNAL PHOTO OF POWER SUPPLY-2



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