FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

Applicant：	**CLC Hong Kong Limited**
Address：	**907 Hart Avenue Plaza, 5-9A Hart Avenue, Tsim Sha Tsui, Kowloon, Hong Kong**
Product Name：	**GSM Mobile Phone**
Model Name：	**P008, C2**
Brand Name：	**PLUM**
FCC ID：	**Y7WPLUM008**
Report No.：	**STS110124F2**
Date of Issue：	**January. 25, 2011**

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:	PLUM
Model Number:	P008
FCC ID:	Y7WPLUM008
Applicant:	CLC Hong Kong Limited. 907 Hart Avenue Plaza, 5-9A Hart Avenue, Tsim Sha Tsui, Kowloon, Hong Kong
Manufacturer:	C-LONGER ELECTRONIC CO., LTD. Room 1806, A Building, Jiahe Huaqiang, Huaqiangbei, Shenzhen, China.
Technical Standards:	47 CFR Part 15 Subpart C
File Number:	STS110124F2
Date of test:	January. 20 ~ January. 25, 2011
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 rules 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.

Tested by (+ signature): Petter Ping

Petter Ping January. 25, 2011

Review by (+ signature): July Wen

July Wen January. 25, 2011

Approved by (+ signature): Terry Yang

Terry Yang January. 25, 2011

2. GENERAL INFORMATION

2.1 Product Information

Product	GSM Mobile Phone
Trade Name	PLUM
Model Number	P008
Series Number:	C2
Description of Differences:	The series models are different in appearance and color with the same functions.
Power Supply	DC 5V by AC/DC adapter 100~240V 50/60Hz DC 3.7V by battery;
Frequency Range	2402 MHz -2480MHz
Modulation Type	FHSS
Antenna Type:	Internal Fixed
Channel Number	79
Temperature Range	-20°C ~ 50°C

NOTE:

1. *Please refer to Appendix I for the photographs of the EUT. For a more detailed features description about the EUT, please refer to User's Manual.*

2.2 Objective

The objective of the report is to perform tests according to 47 CFR Part 15 Subpart C for the EUT FCC ID Certification:

No.	Identity	Document Title
1	47 CFR Part 15 (10-1-05 Edition)	Radio Frequency Devices

2.3 Test Standards and Results

Test items and the results are as bellow:

No.	Section	Description	Result	Date of Test
1	15.249(a)	Spurious Emission	PASS	2011-1-20
2	15.249(a)	Band Edge	PASS	2011-1-22
3	15.207	Power Line Conducted Emission Test	PASS	2011-1-20

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: 15-35ºC
- Humidity: 30-60 %
- Atmospheric pressure: 86-106 kPa

3. TEST FACILITY

3.1TEST 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 C63.4:2003 and CISPR 16 requirements. The FCC Registration Number is **490827.** The **IC** Registration Number is **46405-7103.** 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 C63.4:2003 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.

3.2 GENERAL TEST PROCEDURES

EUT Function and Test Mode

The EUT has been tested under normal operating（TX）and standby（RX）condition.

The field strength of radiation emission was measured in the following position: EUT stand-up position (Y axis), lie-down position (X, Z axis).

The following data show only with the worst case setup.

The worst case of Y axis was reported.

Based on client request, all normal using modes of the normal function were tested but only the worst test data of the worst mode is reported by this report.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3m away from the receiving antenna, which varied from 1m to 4m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the maximum emissions, exploratory radiated emission measurements were made according to the requirements in Section 13.1.4.1 of ANSI C63.4:2003.

3.3 FCC PART 15.205 RESTRICTED BANDS OF OPERATIONS

(a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090 - 0.110	16.42 - 16.423	399.9 - 410	4.5 - 5.15
[1]0.495 - 0.505	16.69475 - 16.69525	608 - 614	5.35 - 5.46
2.1735 - 2.1905	16.80425 - 16.80475	960 - 1240	7.25 - 7.75
4.125 - 4.128	25.5 - 25.67	1300 - 1427	8.025 - 8.5
4.17725 - 4.17775	37.5 - 38.25	1435 - 1626.5	9.0 - 9.2
4.20725 - 4.20775	73 - 74.6	1645.5 - 1646.5	9.3 - 9.5
6.215 - 6.218	74.8 - 75.2	1660 - 1710	10.6 - 12.7
6.26775 - 6.26825	108 - 121.94	1718.8 - 1722.2	13.25 - 13.4
6.31175 - 6.31225	123 - 138	2200 - 2300	14.47 - 14.5
8.291 - 8.294	149.9 - 150.05	2310 - 2390	15.35 - 16.2
8.362 - 8.366	156.52475 - 156.52525	2483.5 - 2500	17.7 - 21.4
8.37625 - 8.38675	156.7 - 156.9	2655 - 2900	22.01 - 23.12
8.41425 - 8.41475	162.0125 - 167.17	3260 - 3267	23.6 - 24.0
12.29 - 12.293	167.72 - 173.2	3332 - 3339	31.2 - 31.8
12.51975 - 12.52025	240 - 285	3345.8 - 3358	36.43 - 36.5
12.57675 - 12.57725	322 - 335.4	3600 - 4400	([2])
13.36 - 13.41			

[1] Until February 1, 1999, this restricted band shall be 0.490-0.510 MHz.

[2] Above 38.6

(b) Except as provided in paragraphs (d) and (e), the field strength of emissions appearing within these frequency bands shall not exceed the limits shown in Section 15.209. At frequencies equal to or less than 1000 MHz, compliance with the limits in Section 15.209 shall be demonstrated using measurement instrumentation employing a CISPR quasi-peak detector. Above 1000 MHz, compliance with the emission limits in Section 15.209 shall be demonstrated based on the average value of the measured emissions. The provisions in Section 15.35 apply to these measurements.

4. SETUP OF EQUIPMENT UNDER TEST

4.1 SUPPORT EQUIPMENT

Device Type	Brand	Model	Series No.	Data Cable	Power Cable
SD Card	Transcend	1.0G	N/A	N/A	

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.

4.2 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	Calculator due date
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2011/03/14
2	L.I.S.N.	Rohde & Schwarz	ENV216	100093	2011/03/14
3	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2011/03/14
4	Terminator	Hubersuhner	50Ω	No.1	2011/03/14
5	RF Cable	SchwarzBeck	N/A	No.1	2011/03/14
6	Test Receiver	Rohde & Schwarz	ESPI	101202	2011/03/14
7	Bilog Antenna	SCHWARZBECK	BBHA9120D	D69250	2011/03/14
8	Cable	Resenberger	N/A	NO.1	2011/03/14
9	Cable	SchwarzBeck	N/A	NO.2	2011/03/14
10	Cable	SchwarzBeck	N/A	NO.3	2011/03/14
11	DC Power Filter	DuoJi	DL2×30B	N/A	2011/03/14
12	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2011/03/14
13	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2011/03/14
14	Test Receiver	Rohde & Schwarz	ESCI	100492	2011/03/14
15	Absorbing Clamp	Luthi	MDS21	3635	2011/03/14
16	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2011/03/14
17	AC Power Source	Kikusui	AC40MA	LM003232	2011/03/14
18	Test Analyzer	Kikusui	KHA1000	LM003720	2011/03/14
19	Line Impendence Network	Kikusui	LIN40MA-PCR-L	LM002352	2011/03/14
20	ESD Tester	Kikusui	KES4021	LM003537	2011/03/14
21	EMCPRO System	EM Test	UCS-500-M4	V0648102026	2011/03/14
22	Signal Generator	IFR	2032	203002/100	2011/03/14
23	Amplifier	A&R	150W1000	301584	2011/03/14
24	CDN	FCC	FCC-801-M2-25	47	2011/03/14
25	CDN	FCC	FCC-801-M3-25	107	2011/03/14
26	EM Injection Clamp	FCC	F-203I-23mm	403	2011/03/14
27	RF Cable	MIYAZAKI	N/A	No.1/No.2	2011/03/14
28	Universal Radio Communication Tester	ROHDE&SCHWARZ	CMU200	0304789	2011/03/14
29	Telecommunication Antenna	European Antennas	PSA 75301R/170	0304213	2011/03/14
30	Telecommunication Test Equipment	R&S	CMU200	N/A	2011/03/14
31	Loop Antenna	SCHWARZBECK	BBHA9120D	D69250	2011/03/14

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

5. 47 CFR Part 15C 15.249 Requirements

5.1 Spurious Emission Test

5.1.1 Requirement

According to FCC section 15.249(a):

Except as provided in paragraph (a) of this section, the field strength of emissions from intentional radiators operated within these frequency bands shall comply with the following:

Fundamental Frequency (MHz)	Field Strength of Fundamental (mV/m)	Field Strength of Harmonics (μV/m)
902-928	50	500
2400-2483.5	50	500
5725-5875	50	500
24000-24250	250	2500

According to FCC section 15.209 (a), 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)
1.705 - 30.0	30	30
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

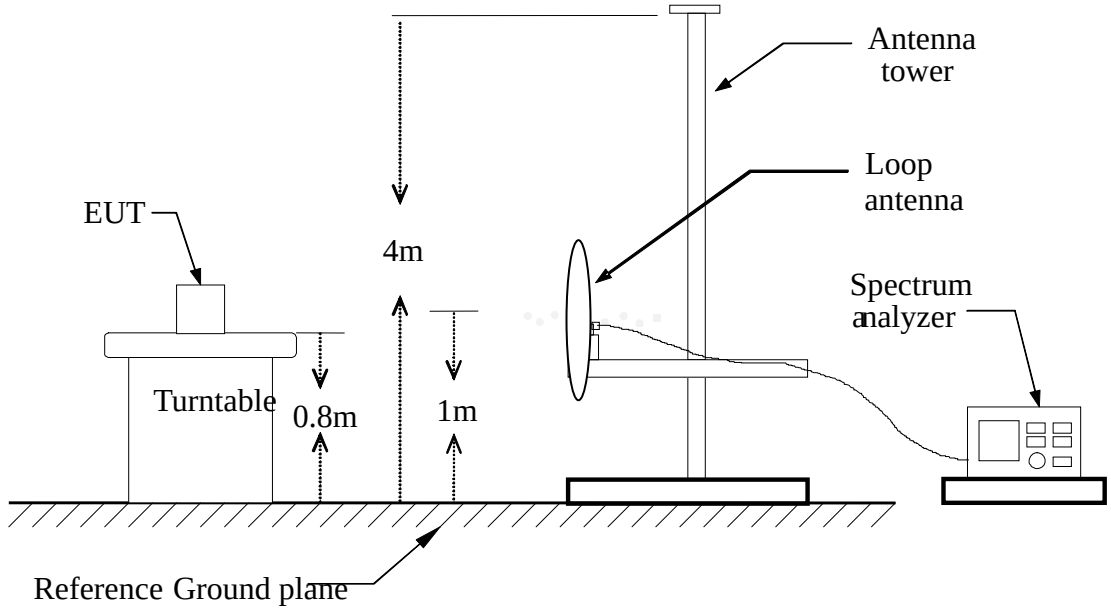
Remark: *Except as provided in paragraph (g), fundamental emissions from intentional radiators operating under this Section shall not be located in the frequency bands 54-72 MHz, 76-88 MHz, 174-216 MHz or 470-806 MHz. However, operation within these frequency bands is permitted under other sections of this Part, e.g., Sections 15.231 and 15.241.*

In the above emission table, the tighter limit applies at the band edges.

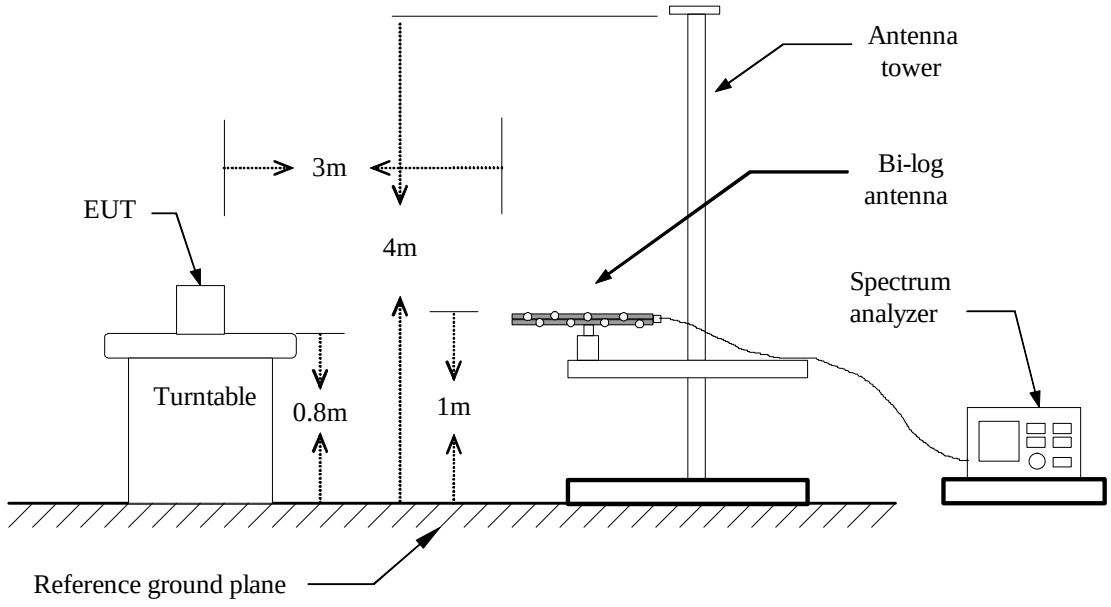
Frequency (MHz)	Field Strength (μV/m)	Measurement Distance (m)
30 - 88	100	3
88 - 216	150	3
216 - 960	200	3
Above 960	500	3

5.1.2 Test Description

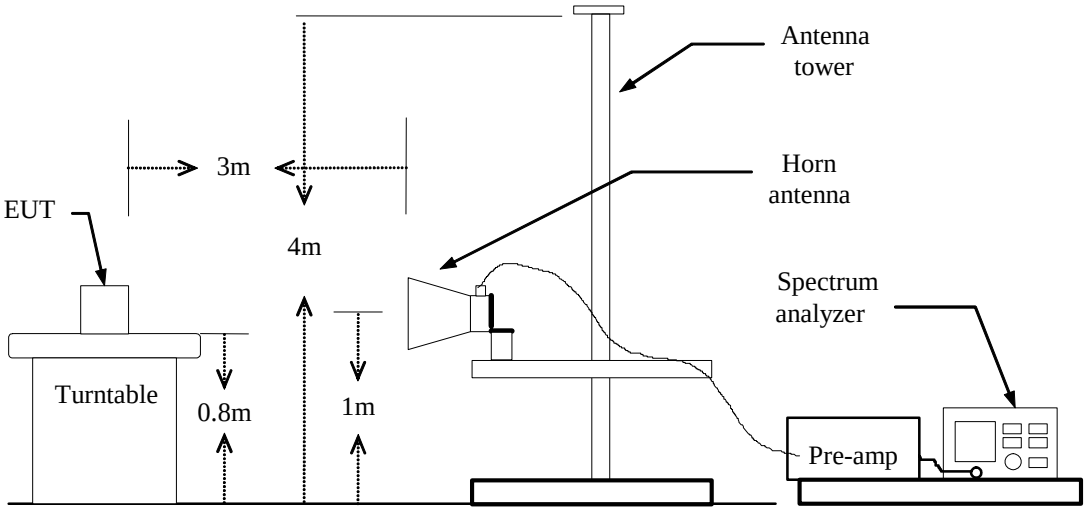
Test Setup:



Blow 1GHz:



Above 1GHz:



5.1.3 Test Description

1. The EUT is placed on a turntable, which is 0.8m above ground plane.
2. The turntable shall be rotated for 360 degrees to determine the position of maximum emission level.
3. EUT is set 3m away from the receiving antenna, which is varied from 1m to 4m to find out the highest emissions.
4. Maximum procedure was performed on the six highest emissions to ensure EUT compliance.
5. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical.
6. Set the spectrum analyzer in the following setting as:

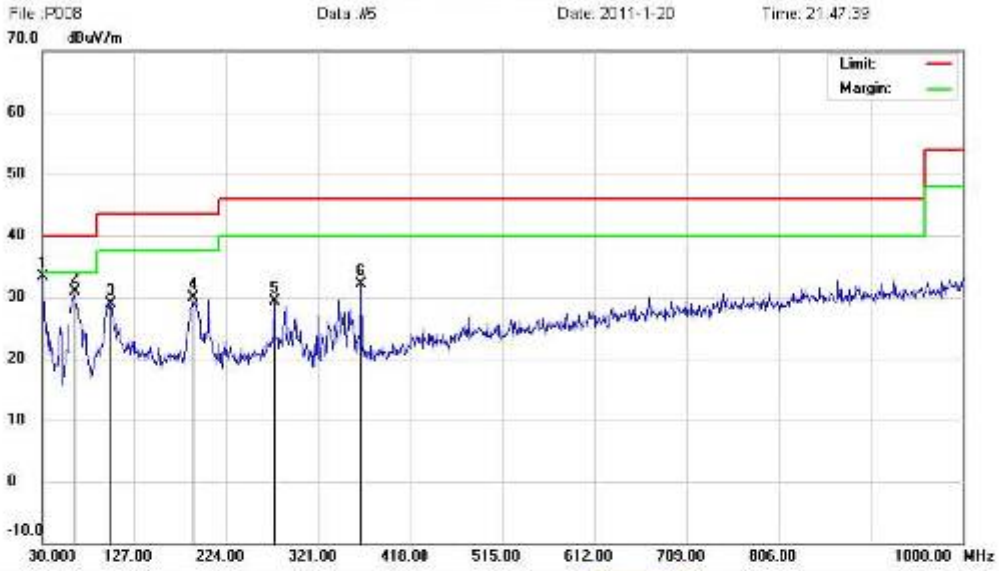
   Below 1GHz: RBW=100 kHz / VBW=300 kHz / Sweep=AUTO

   Above 1GHz :(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO
   (b) AVERAGE: RBW=1MHz / VBW=10Hz / Sweep=AUTO
7. Repeat above procedures until the measurements for all frequencies are complete.

5.1.4 Test Result

Address No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86170306 Fax: 0755-86170310

Radiated Emission Measurement



Site: site MOST 3M
Limit: FCC Part15 B 3M Radiation
EUT: GSM Mobile Phone
M/N: P008
Mode: Bluetooth
Note:

Polarization: *Horizontal*
Power: AC120V/60Hz

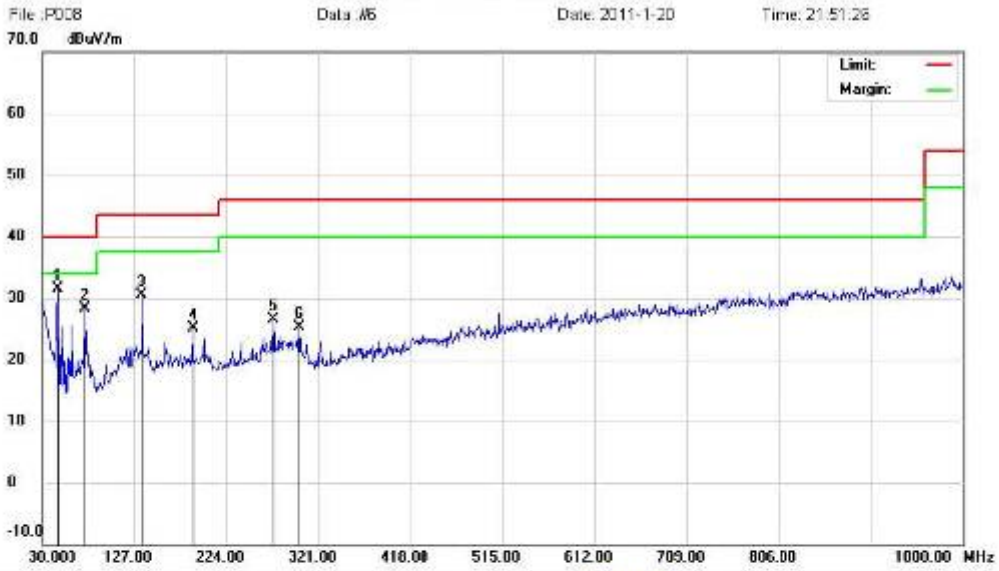
Temperature: 26
Humidity: 60 %
Distance:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	30.0000	8.49	24.80	33.29	40.00	-6.71	peak			
2		64.9200	19.61	11.29	30.90	40.00	-9.10	peak			
3		102.7500	14.87	14.00	28.87	43.50	-14.63	peak			
4		189.0800	13.27	16.60	29.87	43.50	-13.63	peak			
5		274.4400	10.22	19.17	29.39	46.00	-16.61	peak			
6		365.6200	13.82	18.24	32.06	46.00	-13.94	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

Radiated Emission Measurement



Site: site MOST 3M
Limit: FCC Part15 B 3M Radiation
EUT: GSM Mobile Phone
M/N: P008
Mode: Bluetooth
Note:

Polarization: *Vertical*
Power: AC120V/60Hz

Temperature: 26
Humidity: 60 %

Distance:

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		Antenna Height	Table Degree	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector	cm	degree	Comment
1	*	46.4900	18.68	12.91	31.59	40.00	-8.41	peak			
2		75.5900	16.78	11.62	28.40	40.00	-11.60	peak			
3		135.7300	13.17	17.42	30.59	43.50	-12.91	peak			
4		189.0800	8.57	16.60	25.17	43.50	-18.33	peak			
5		273.4700	7.48	19.11	26.59	46.00	-19.41	peak			
6		300.6800	6.24	19.13	25.37	46.00	-20.63	peak			

*:Maximum data x:Over limit !:over margin

Above 1 GHz

Operation Mode:	CH Low	**Test Date:**	January. 20, 2011
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	AV Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
2402.50	H	92.46	78.11	9.08	101.54	87.19	114.00	94.00	-6.81
4805.00	H	52.03	27.28	16.54	68.57	43.82	74.00	54.00	-10.18
N/A									>20
2402.50	V	77.55	77.51	9.08	100.12	86.59	114.00	94.00	-7.41
4805.00	V	50.39	24.88	16.54	66.93	41.42	74.00	54.00	-12.58
N/A									>20

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. 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.
4. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
5. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
6. Spectrum setting:
   a. Peak Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
   b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
7. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode:	CH Mid	**Test Date:**	January. 20, 2011
Temperature:	20°C	**Tested by:**	Petter Ping
Humidity:	70 % RH	**Polarity:**	Ver. / Hor.

Freq.	Ant. Pol	Peak	AV	Ant. / CL	Actual Fs		Peak	AV	AV
(MHz)	H/V	Reading	Reading	CF			Limit	Limit	Margin
		(dBuV)	(dBuV)	(dB)	Peak	AV	(dBuV/m)	(dBuV/m)	(dB)
					(dBuV/m)	(dBuV/m)			
2441.50	H	93.55	79.68	9.12	102.67	88.80	114.00	94.00	-5.20
1741.50	H	44.26	---	7.17	51.43	---	74.00	54.00	---
4892.50	H	47.17	25.76	17.09	64.26	42.85	74.00	54.00	-11.15
N/A									>20
2441.50	V	92.71	78.16	9.12	101.83	87.28	114.00	94.00	-6.72
1741.50	V	41.58	---	7.17	48.75	---	74.00	54.00	---
4892.50	V	48.29	27.63	17.09	65.38	44.72	74.00	54.00	-9.28
N/A									>20

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. 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.
4. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
5. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
6. Spectrum setting:
   a. Peak Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
   b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
7. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

Operation Mode: CH High **Test Date:** January. 20, 2011

Temperature: 20°C **Tested by:** Petter Ping

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

Freq. (MHz)	Ant. Pol H/V	Peak Reading (dBuV)	AV Reading (dBuV)	Ant. / CL CF (dB)	Actual Fs		Peak Limit (dBuV/m)	AV Limit (dBuV/m)	AV Margin (dB)
					Peak (dBuV/m)	AV (dBuV/m)			
2480.00	H	95.22	81.32	9.15	104.37	90.47	114.00	94.00	-3.53
4960.50	H	47.54	28.98	17.49	65.03	46.47	74.00	54.00	-7.53
N/A									>20
2480.00	V	94.44	80.33	9.15	103.59	89.48	114.00	94.00	-4.52
4960.50	V	44.67	26.19	17.49	62.16	43.68	74.00	54.00	-10.32
N/A									>20

Notes:

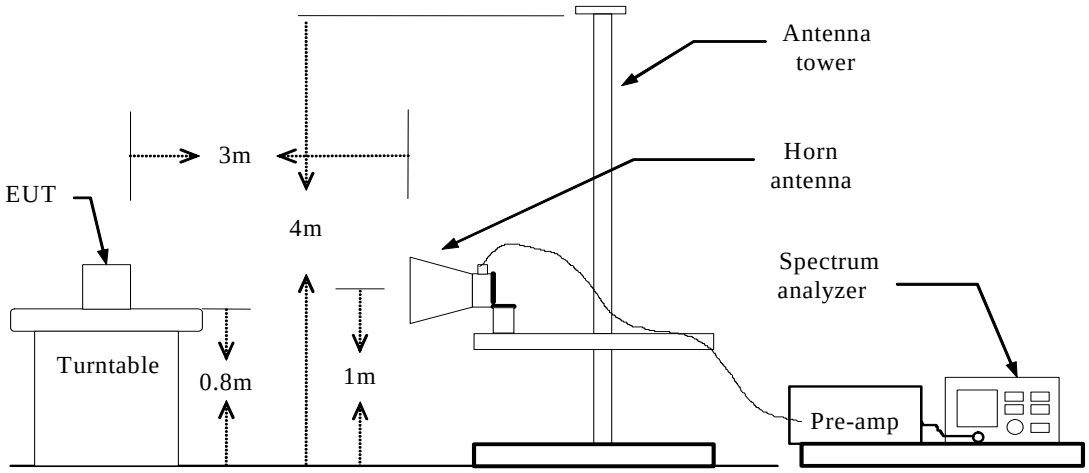
1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Measurements above show only up to 6 maximum emissions noted, or would be lesser if no specific emissions from the EUT are recorded (ie: margin>20dB from the applicable limit) and considered that's already beyond the background noise floor.
3. 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.
4. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
5. Data of measurement within this frequency range shown " --- " in the table above means the reading of emissions are attenuated more than 20dB below the permissible limits or the field strength is too small to be measured.
6. Spectrum setting:
   a. Peak Setting 1GHz - 26GHz, RBW = 1MHz, VBW = 1MHz, Sweep time = 200 ms.
   b. AV Setting 1GH z- 26GHz, RBW = 1MHz, VBW = 10Hz, Sweep time = 200 ms.
7. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).

5.2 Band Edge

5.2.1 Requirement

According to FCC section 15.249(a), in any 100kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated intentional radiator is operating, the radio frequency power that is produced by the intentional radiator shall be at least 20dB below that in the 100kHz bandwidth within the band that contains the highest level of the desired power, based on either an RF conducted or a radiated measurement.

5.2.2 Test Description

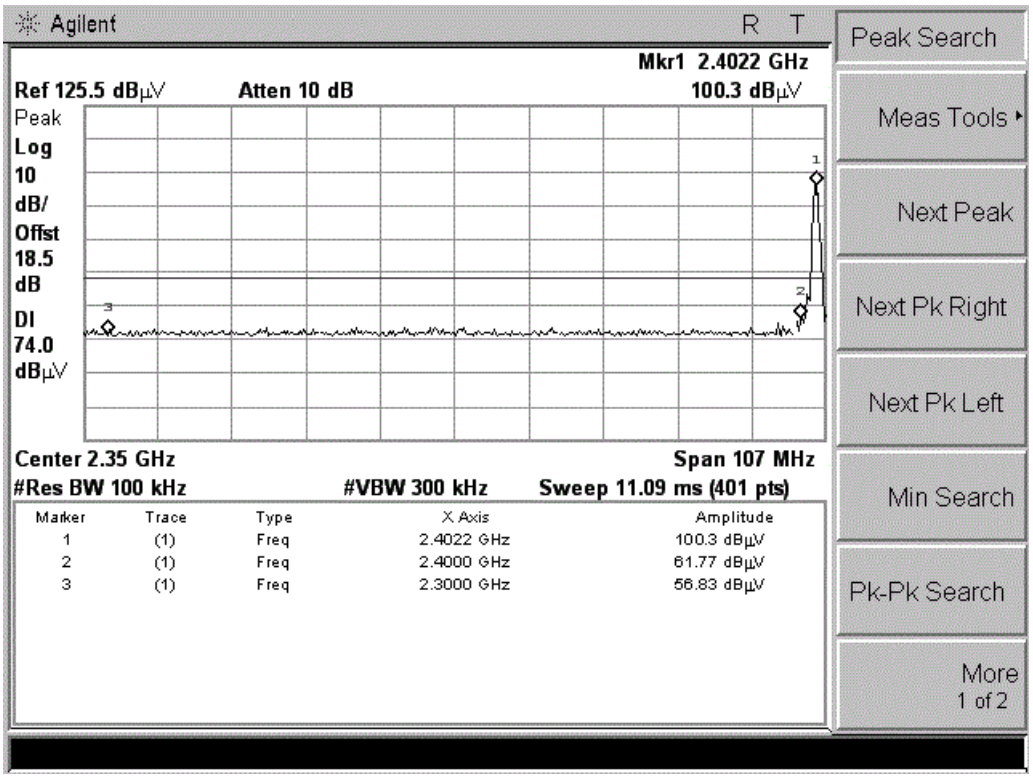


5.2.3Test Result

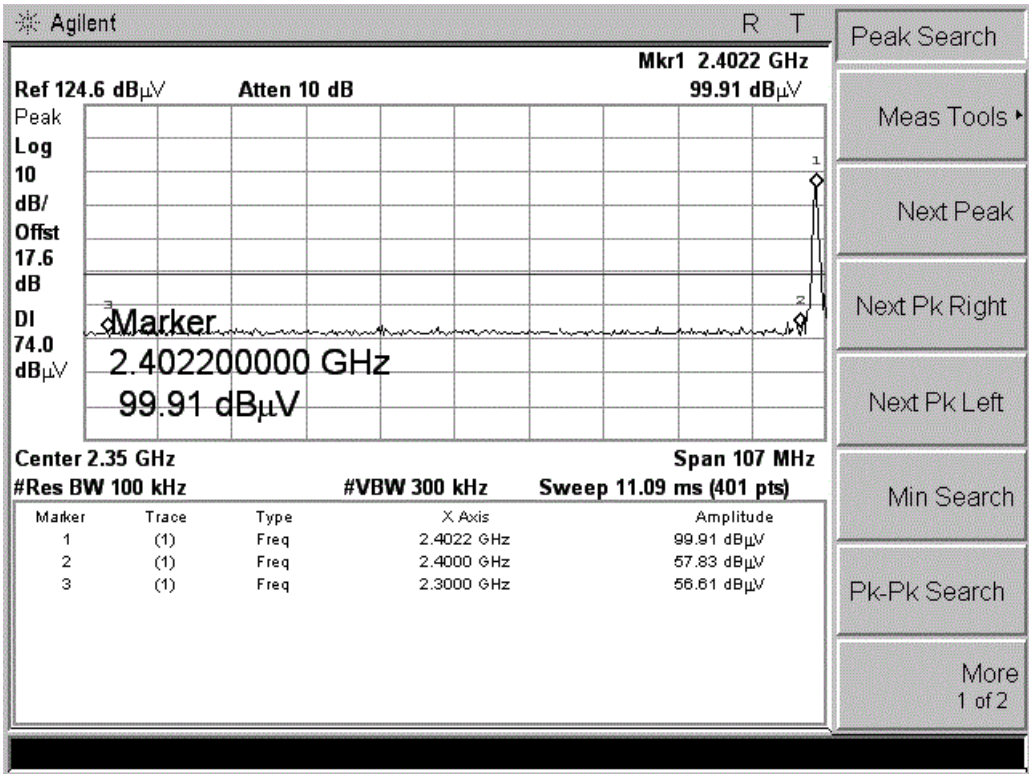
The EUT operates at hopping-off test mode. The lowest and highest channels are tested to verify the band edge emissions.

Test Mode (MHz)	Marked Spurious Frequency	Test Result Highest Emission (dBuv/m)			
		Horizontal		Vertical	
		Peak	Average	Peak	Average
Low Channel 2402	2300MHz	56.83	39.56	56.61	39.48
	2400MHz	61.77	42.24	57.83	41.16
High Channel 2480	2483.5MHz	64.21	39.95	59.34	39.03
	2500MHz	59.10	39.24	59.59	39.51

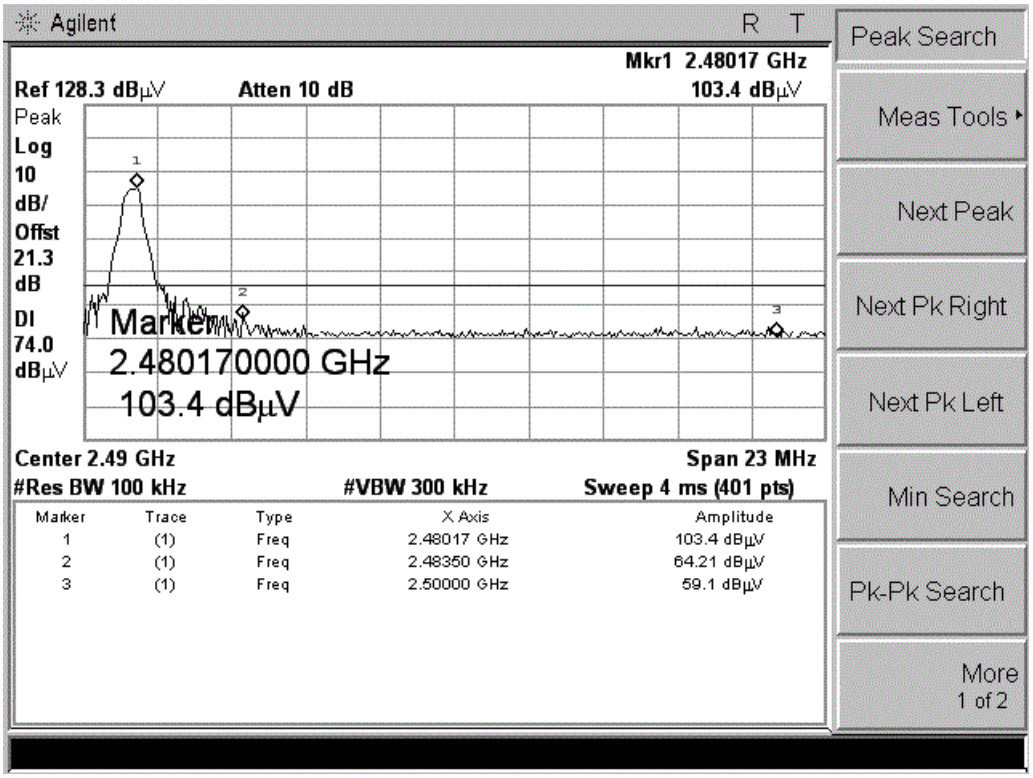
Test Plot:



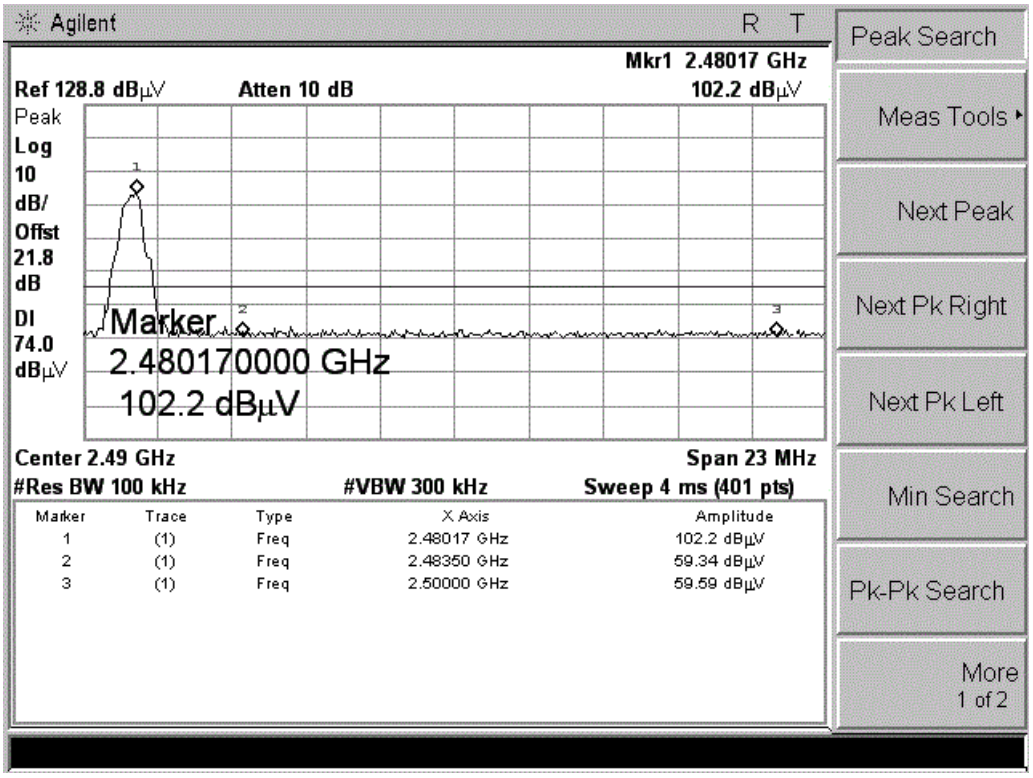
(CH Low, Horizontal)



(CH Low, Vertical)



(CH High, Horizontal)



(CH High, Vertical)

5.3 Conducted Emission

5.3.1 Definition

According to FCC section 15.207, for an intentional radiator that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies, within the band 150 kHz to 30 MHz, shall not exceed the limits in the following table, as measured using a 50 μH/50 ohms line impedance stabilization network (LISN).

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

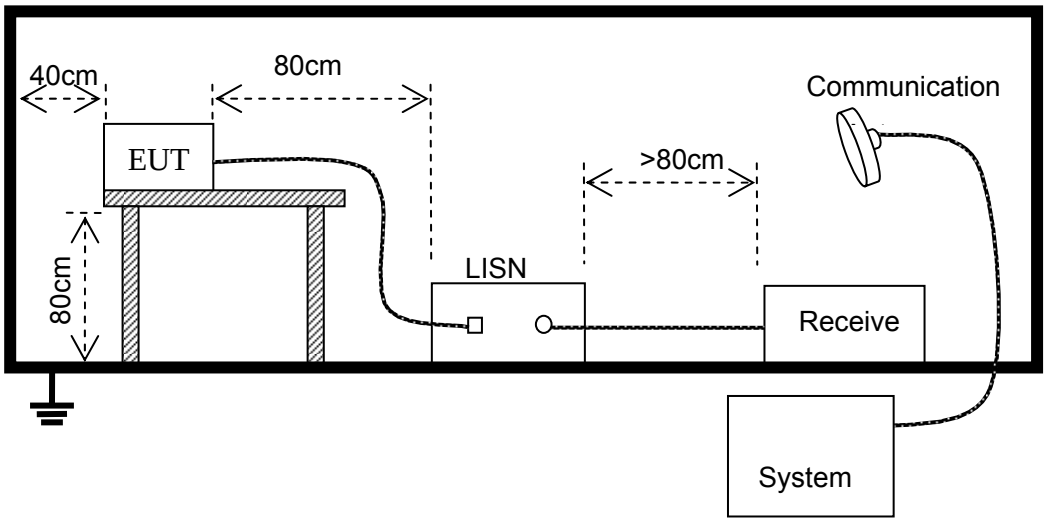
Note:

1. The lower limit shall apply at the transition frequency.

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

5.3.2 Test Description

The EUT is powered by the Battery charged with the AC Adapter which is powered by 120V, 60Hz AC mains supply. The path loss as the factor is calibrated to correct the reading. During the measurement, the EUT is activated and is set to operate at maximum power.

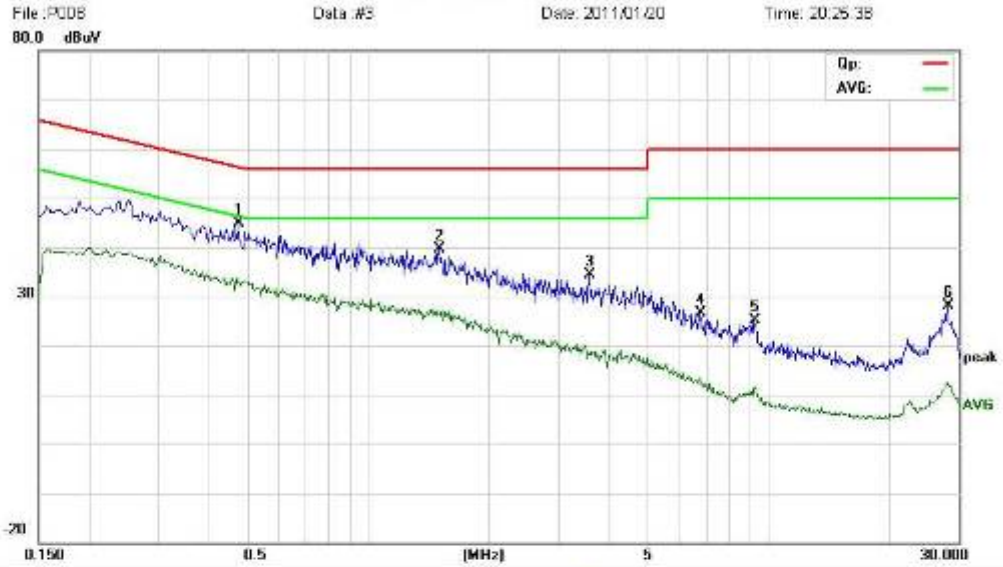


5.3.3 Test Result

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.

Address No.5,Langshan 2nd Rd., North Hi-Tech Industrial park
Guangdong ,China
Tel: 0755-86170306 Fax: 0755-86170310

Conducted Emission Measurement



Site: site #1
Limit: FCC Part15 B Class B QP
EUT: GSM MOBILE PHONE
M/N: P008
Mode: BLUETOOTH
Note:

Phase: N
Power: AC 120V/60Hz

Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1	*	0.4740	34.59	10.17	44.76	56.44	-11.68	peak	
2		1.4980	30.04	9.50	39.54	56.00	-16.46	peak	
3		3.5680	23.83	10.57	34.40	56.00	-21.60	peak	
4		6.7460	15.66	10.95	26.61	60.00	-33.39	peak	
5		9.2220	15.76	9.47	25.23	60.00	-34.77	peak	
6		28.0300	19.23	9.00	28.23	60.00	-31.77	peak	

*:Maximum data x:Over limit !:over margin

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Guangdong ,China
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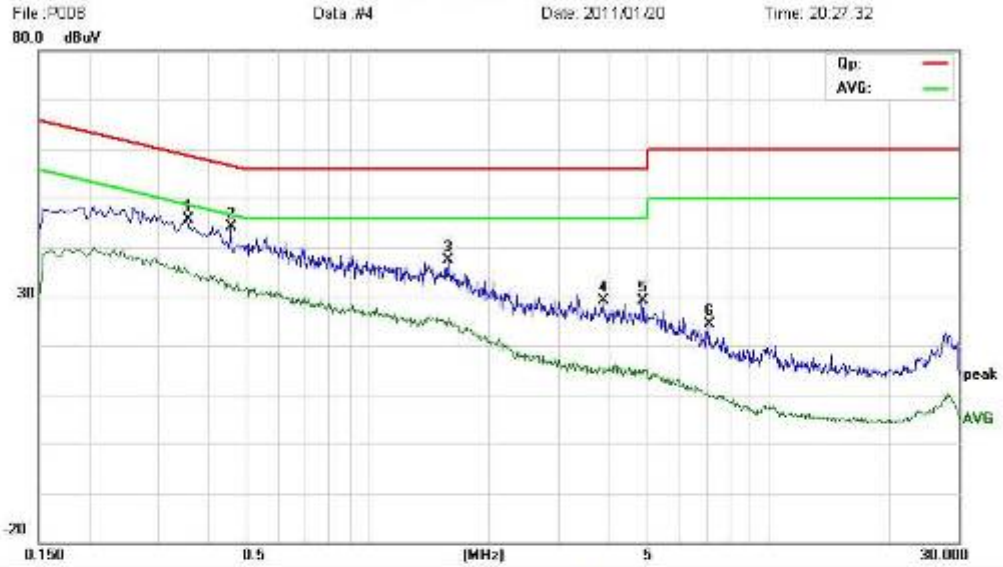
Conducted Emission Measurement



Site: site #1
Limit: FCC Part15 B Class B QP
EUT: GSM MOBILE PHONE
M/N: P008
Mode: BLUETOOTH
Note:

Phase: L1
Power: AC 120V/60Hz

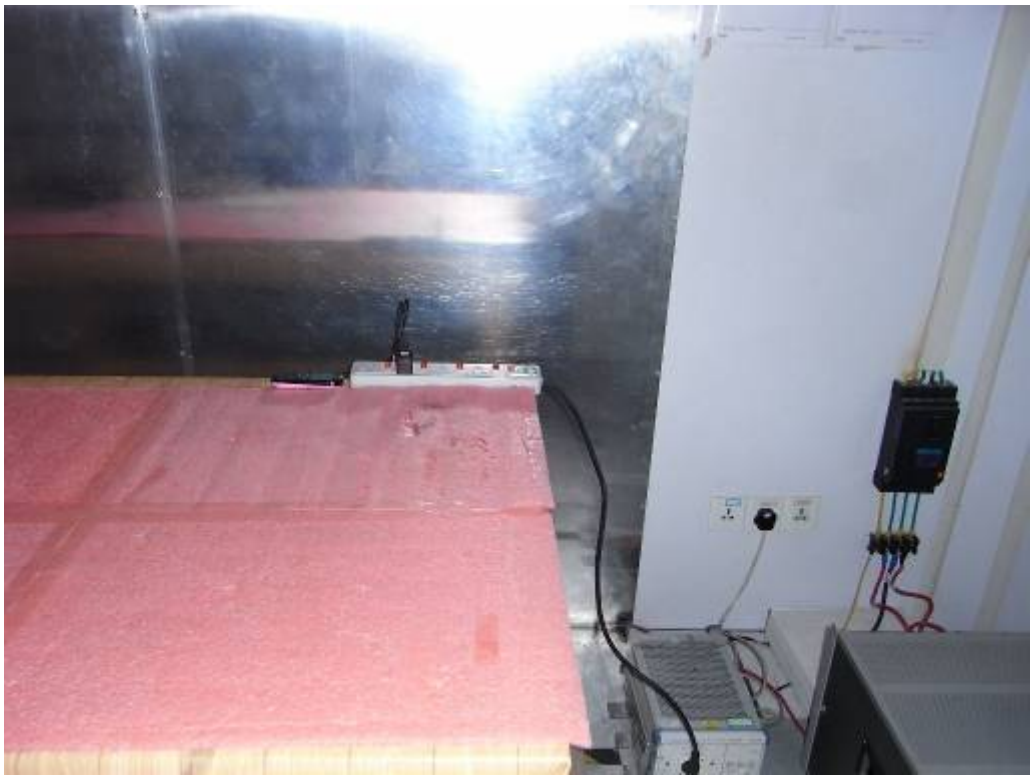
Temperature: 26
Humidity: 60 %

No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.3540	34.56	10.97	45.53	58.87	-13.34	peak	
2	*	0.4540	33.93	10.31	44.24	56.80	-12.56	peak	
3		1.5780	27.93	9.42	37.35	56.00	-18.65	peak	
4		3.8620	18.36	10.86	29.22	56.00	-26.78	peak	
5		4.8300	17.28	11.83	29.11	56.00	-26.89	peak	
6		7.0740	13.59	10.76	24.35	60.00	-35.65	peak	

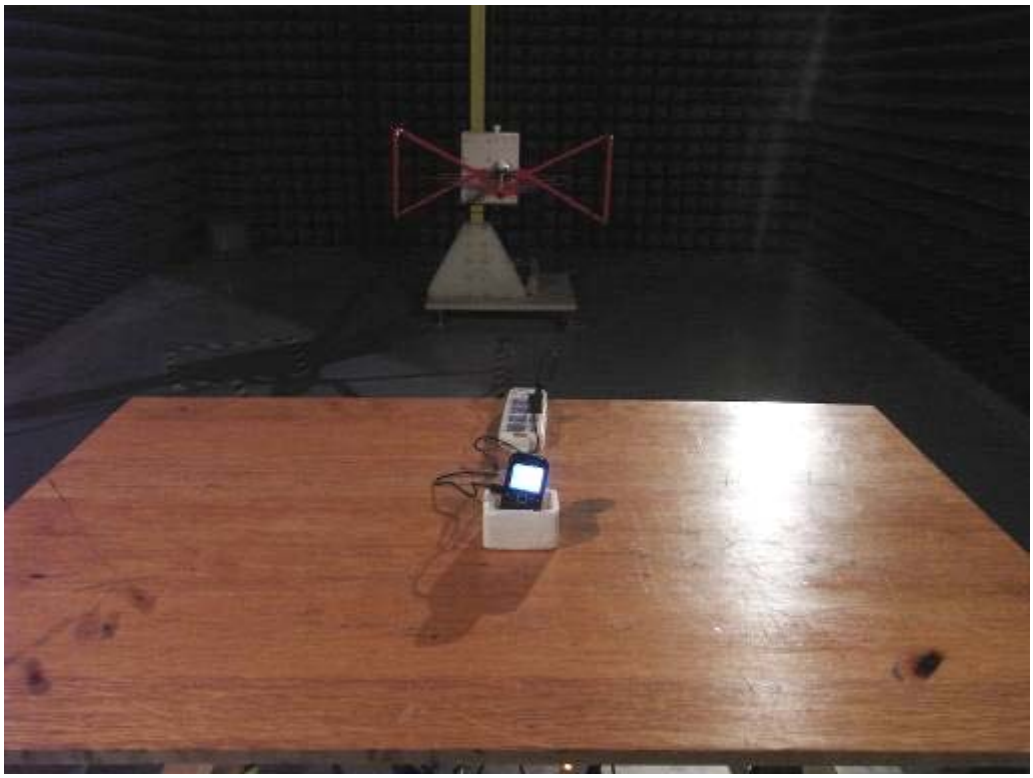
*:Maximum data x:Over limit !:over margin

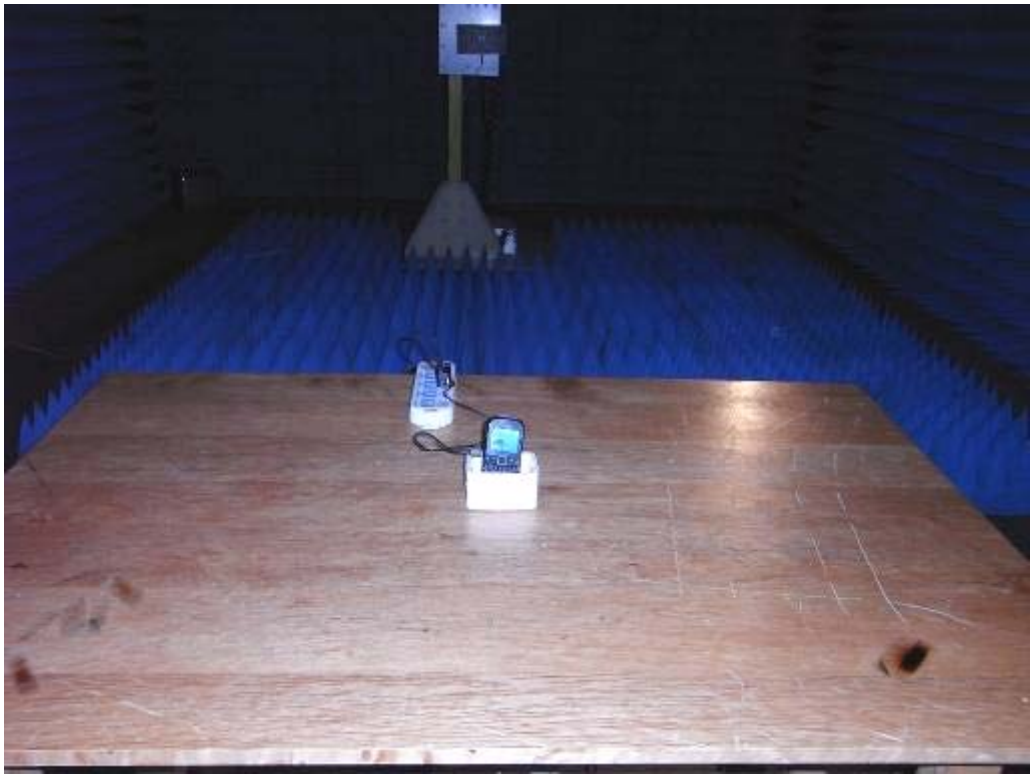
APPENDIX 1
PHOTOGRAPHS OF TEST SETUP

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 POWER SUPPLY

PHOTO OF USB CABLE

PHOTO OF HEADPHONE

PHOTO OF BATTERY

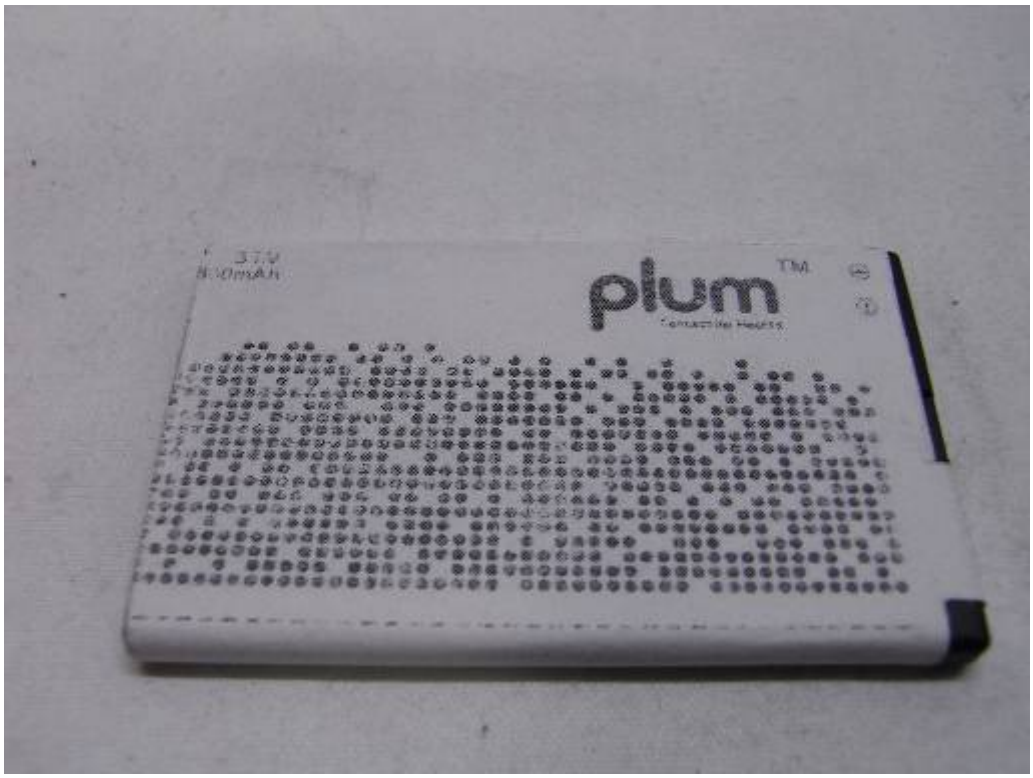
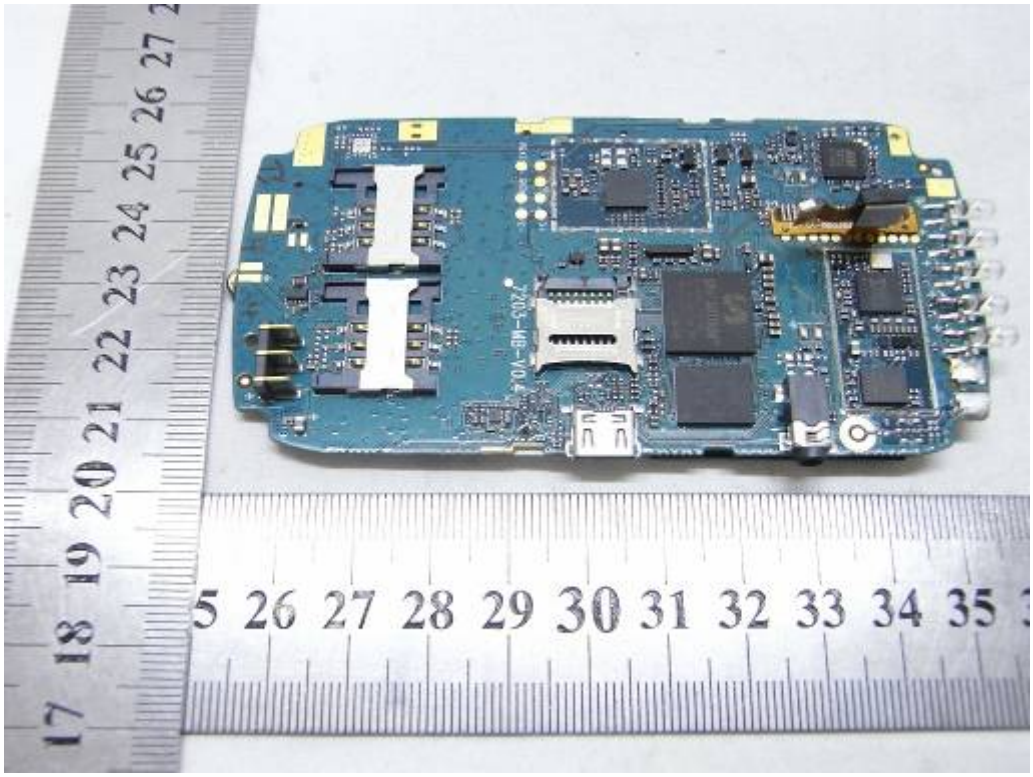
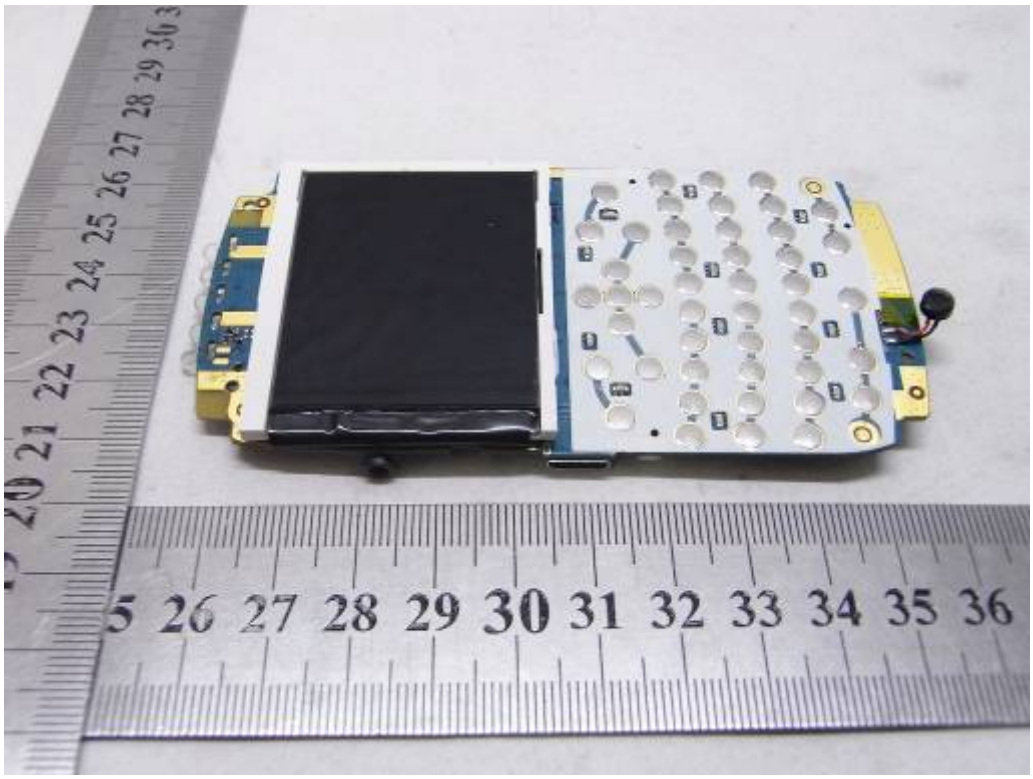


PHOTO OF THE ENTIRE SAMPLE

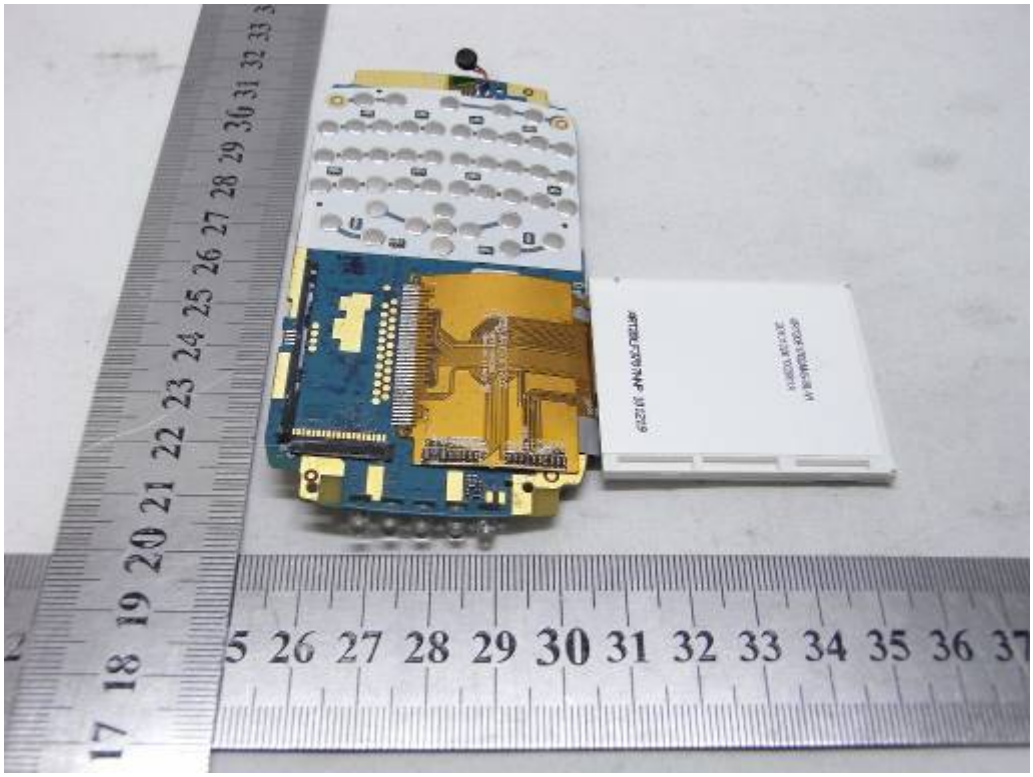
INTERNAL PHOTO OF SAMPLE – 1



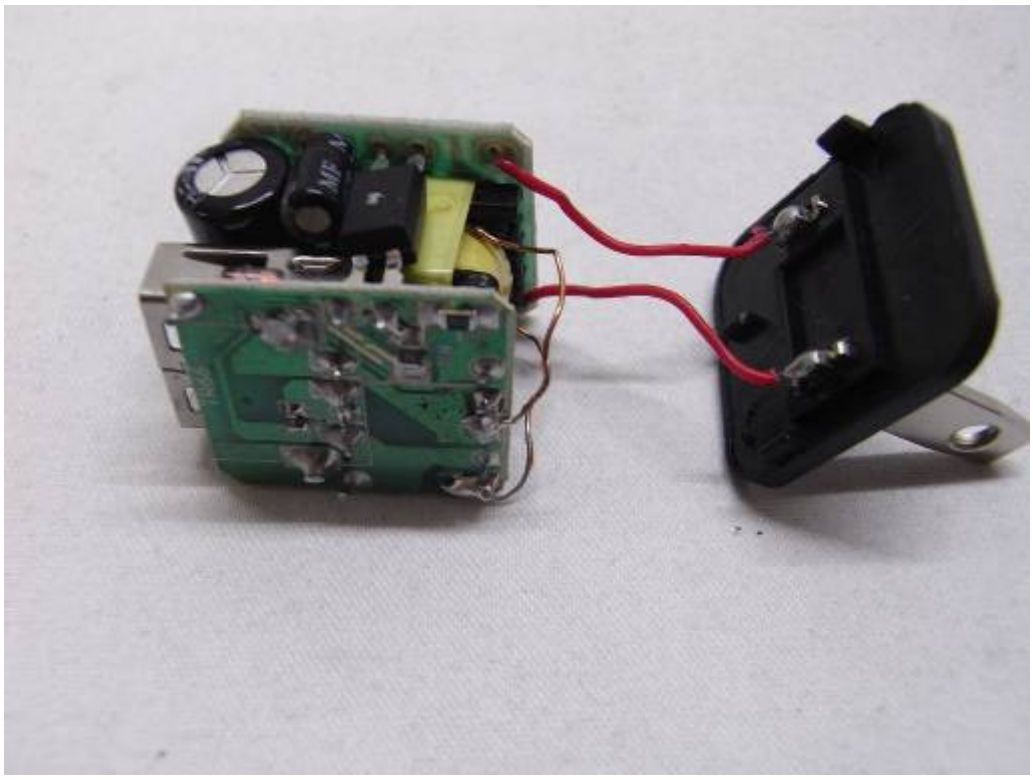
INTERNAL PHOTO OF SAMPLE –2



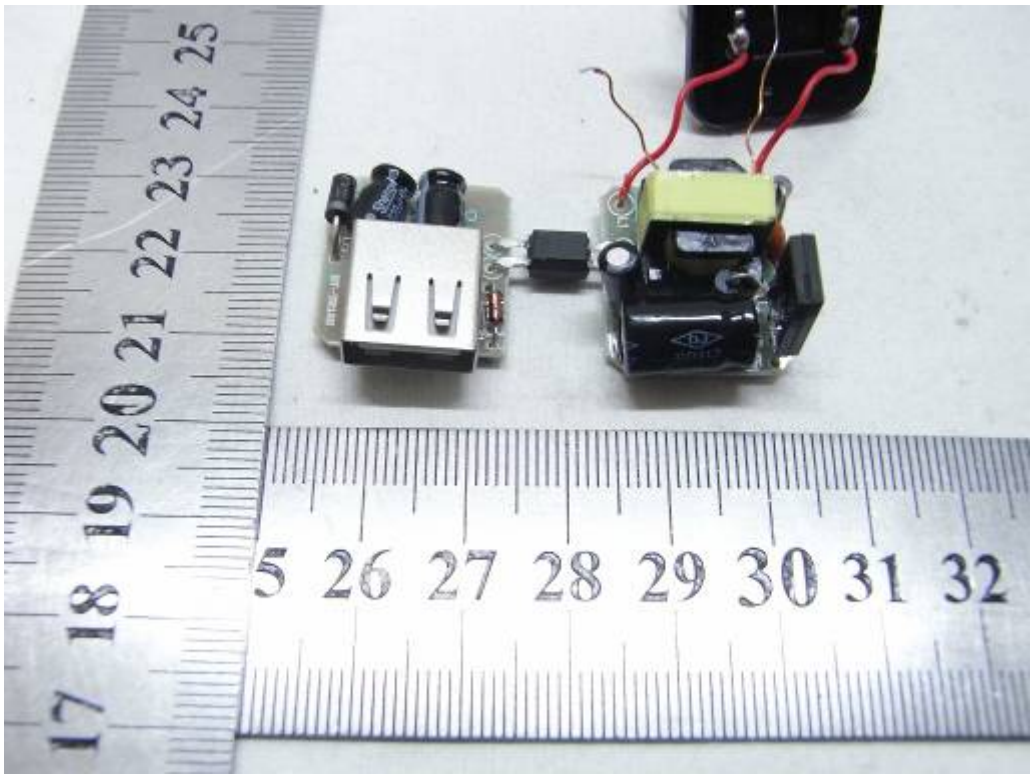
INTERNAL PHOTO OF SAMPLE –3



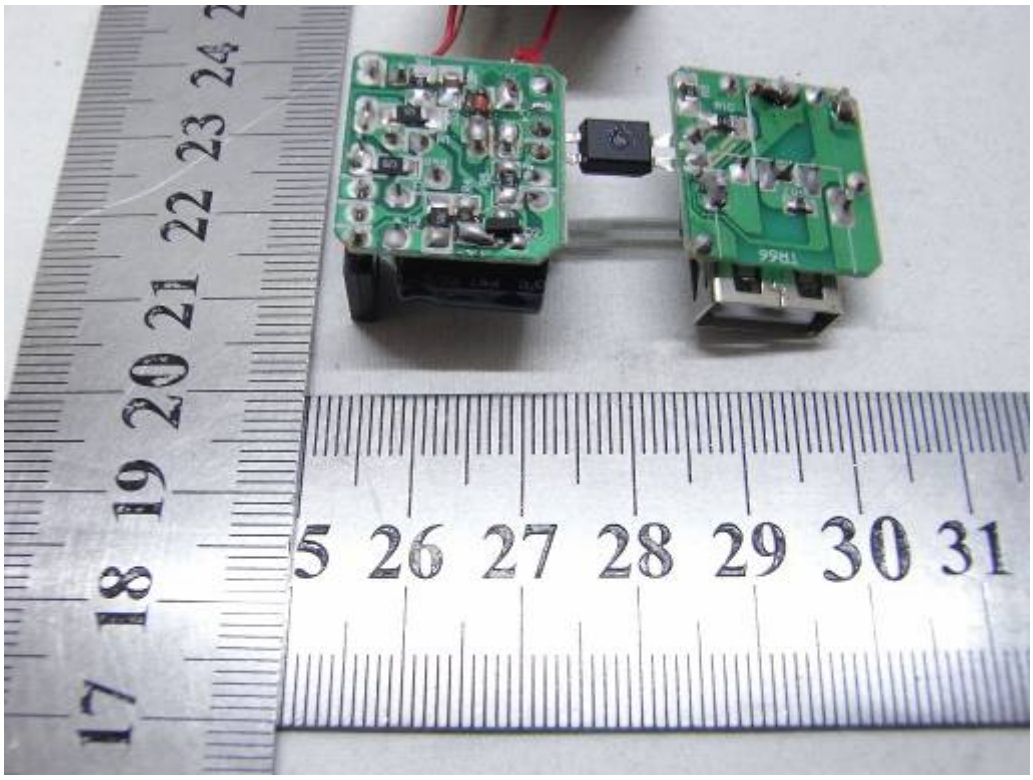
INTERNAL PHOTO OF POWER SUPPLY-1



INTERNAL PHOTO OF POWER SUPPLY-2



INTERNAL PHOTO OF POWER SUPPLY-3



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