FCC 47 CFR PART 15 SUBPART C

TEST REPORT

For

Applicant：	**Dongguan Yuanfeng Technology Co., Ltd.**
Address：	**No.62, South Fumin Road, Fumin Industrial Park, Dalang Town, Dongguan City, Guangdong, P.R. China**
Product Name：	**Connected PND**
Model Name：	**PF10-5002, PF10-5001, PF10-5003, PF10-5004, PF10-5005, PF10-5006, PF10-5007, PF10-5008, PF10-5009, PF10-5001HD, PF10-5002HD, PF10-5003HD, PF10-5004HD, PF10-5005HD, PF10-5006HD, PF10-5007HD, PF10-5008HD, PF10-5009HD**
Brand Name：	**N/A**
FCC ID：	**YNG-GPF100001**
Report No.：	**MOST101204F2**
Date of Issue：	**December. 13, 2010**

Issued by：	**Most Technology Service Co., Ltd.**
Address：	**No.5, 2nd Langshan Road, North District, Hi-tech Industrial Park, Nanshan, Shenzhen, Guangdong, China**
Tel：	**86-755-8617 0306**
Fax：	**86-755-8617 0310**

TABLE OF CONTENTS

1. VERIFICATION OF CONFORMITY

Equipment Under Test:	Connected PND
Brand Name:	N/A
Model Number:	PF10-5002
Series Number:	PF10-5001, PF10-5003, PF10-5004, PF10-5005, PF10-5006, PF10-5007, PF10-5008, PF10-5009, PF10-5001HD, PF10-5002HD, PF10-5003HD, PF10-5004HD, PF10-5005HD, PF10-5006HD, PF10-5007HD, PF10-5008HD, PF10-5009HD
Model Difference description:	The same product for different market,only the model name is different
FCC ID:	YNG-GPF100001
Applicant:	Dongguan Yuanfeng Technology Co., Ltd. No.62, South Fumin Road, Fumin Industrial Park, Dalang Town, Dongguan City, Guangdong, P.R. China
Manufacturer:	Dongguan Yuanfeng Technology Co., Ltd. No.62, South Fumin Road, Fumin Industrial Park, Dalang Town, Dongguan City, Guangdong, P.R. China
Technical Standards:	47 CFR Part 15 Subpart C
File Number:	MOST101204F2
Date of test:	November. 26, 2010 – December. 13, 2010
Deviation:	None
Condition of Test Sample:	Normal
Test Result:	PASS

The above equipment was tested by *Most Technology Service 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 December. 13, 2010

Review by (+ signature):

July Wen December. 13, 2010

Approved by (+ signature): Teo Yang

Terry Yang December. 13, 2010

2. GENERAL INFORMATION

2.1 Product Information

EUT- FM	
Description:	Connected PND
Model Name:	PF10-5002
Series Number:	PF10-5001, PF10-5003, PF10-5004, PF10-5005, PF10-5006, PF10-5007, PF10-5008, PF10-5009, PF10-5001HD, PF10-5002HD, PF10-5003HD, PF10-5004HD, PF10-5005HD, PF10-5006HD, PF10-5007HD, PF10-5008HD, PF10-5009HD
Model Difference description:	The series models are different in appearance and color with the same functions.
Power Supply:	DC 5V by car adapter DC 12/24V; DC 5V by AC/DC adapter 100~240V 50/60Hz DC 3.7V by battery;
Frequency Range:	88.1MHz – 107.9MHz
Channel Number:	99
Channel Spacing:	200 KHz
Antenna Gain:	0.1 dB
Modulation Technique:	FM
Temperature Range:	-10°C ~ +55°C

NOTE:

1. *The EUT can be set to the lowest and highest possible/tuneable operating frequency and cannot be tuned outside the US FM band*
2. *The three orthogonal positions were tested, only the worst result was recorded in the report.*
3. *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

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	15.239	20dB Bandwidth	PASS	2010-12-9
2	15.239	Frequency Range	PASS	2010-12-9
3	15.239 15.209 15.205	Radiated Emission	PASS	2010-12-9
4	15.203	Antenna Requirement	PASS	2010-12-9

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

2.5 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.

3. TEST FACILITY

Test Site:	Most Technology Service Co., Ltd.
Location:	No.5, Nangshan 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.**
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 date	Calibration due date
1	Test Receiver	Rohde & Schwarz	ESCI	100492	2010/03/14	2011/03/14
2	Terminator	Hubersuhner	50Ω	No.1	2010/03/14	2011/03/14
3	RF Cable	SchwarzBeck	N/A	No.1	2010/03/14	2011/03/14
4	Test Receiver	Rohde & Schwarz	ESPI	101202	2010/03/14	2011/03/14
5	Bilog Antenna	Sunol	JB3	A121206	2010/03/14	2011/03/14
6	Test Antenna - Horn	Schwarzbeck	BBHA 9120C	--	2010/03/14	2011/03/14
7	Test Antenna - LOOP	Schwarzbeck	VULB 9163	--	2010/03/14	2011/03/14
8	Cable	Resenberger	N/A	NO.1	2010/03/14	2011/03/14
9	Cable	SchwarzBeck	N/A	NO.2	2010/03/14	2011/03/14
10	Cable	SchwarzBeck	N/A	NO.3	2010/03/14	2011/03/14
11	DC Power Filter	DuoJi	DL2×30B	N/A	2010/03/14	2011/03/14
12	Single Phase Power Line Filter	DuoJi	FNF 202B30	N/A	2010/03/14	2011/03/14
13	3 Phase Power Line Filter	DuoJi	FNF 402B30	N/A	2010/03/14	2011/03/14
14	Spectrum Analyzer	Agilent	4408B	MY41440460	2010/03/14	2011/03/14
15	Absorbing Clamp	Luthi	MDS21	3635	2010/03/14	2011/03/14
16	Coaxial Switch	Anritsu Corp	MP59B	6200283933	2010/03/14	2011/03/14
17	RF Cable	MIYAZAKI	N/A	No.1/No.2	2010/03/14	2011/03/14

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

5. 47 CFR Part 15 C Requirements

5.1 20dB Bandwidth

5.1.1 Definition

Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band shall lie wholly within the frequency range of 88-108 MHz.

5.1.2 Test Description

During the measurement, the EUT connected a MP3 player via USB cable and play audio file with max volume via FM transmitter to a car radio. The EUT was placed on a non-conductive table 0.8 meters above the floor. The table was rotated to an angle which presented the highest signal level. The occupied bandwidth was based on a 20 dB criteria (20 dB down either side of the emission from the peak emission). A drawing showing the test setup is given as Figure 1.

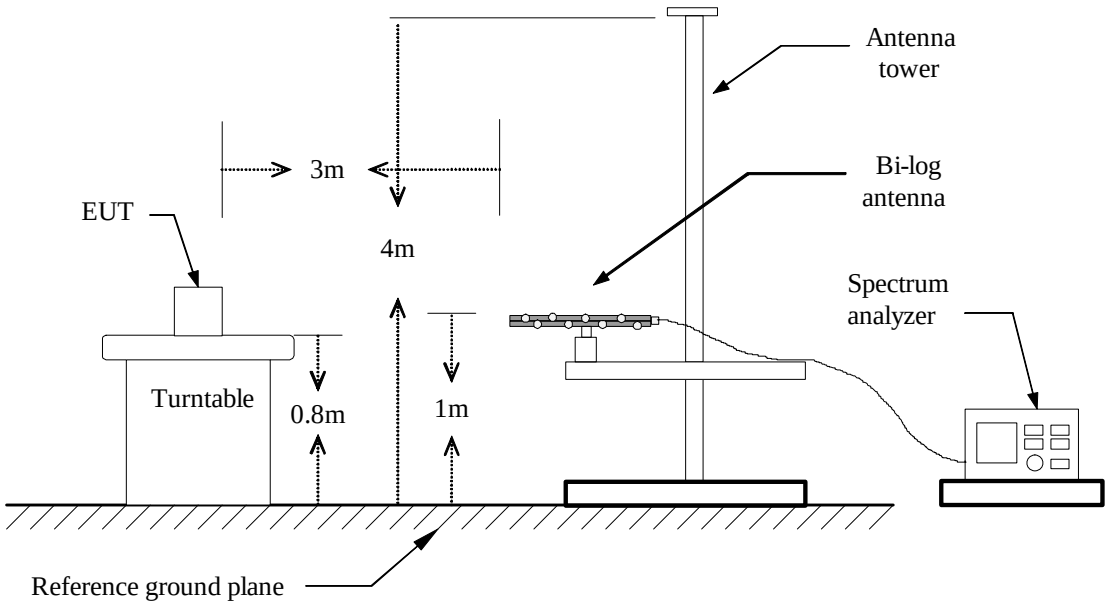
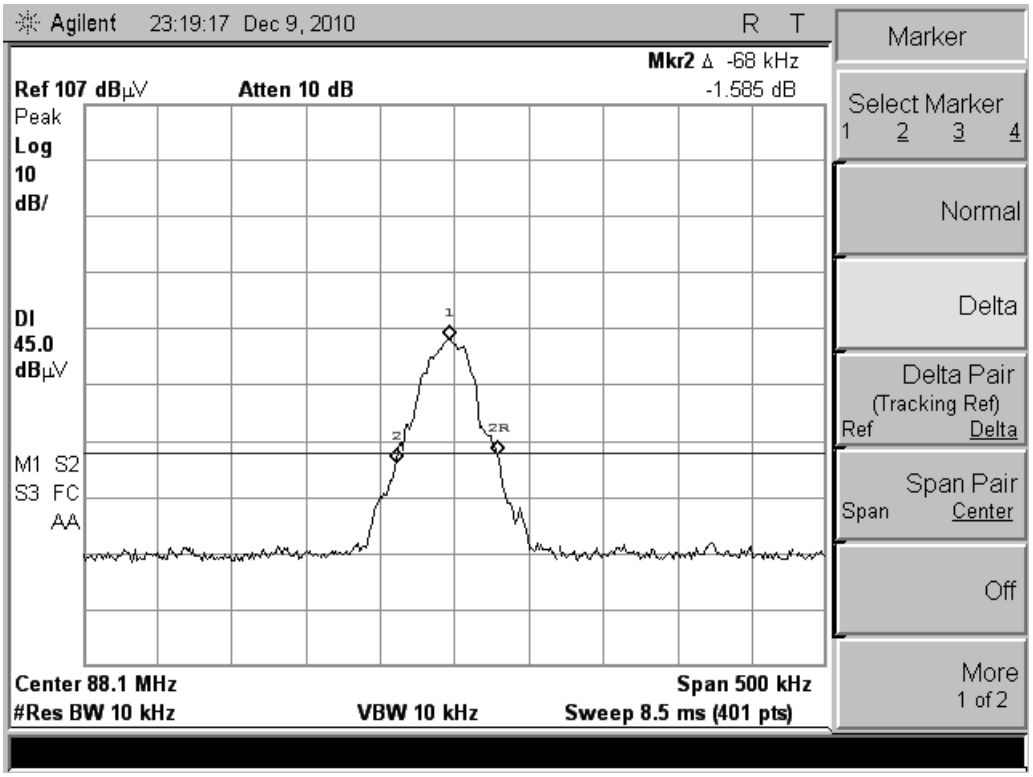


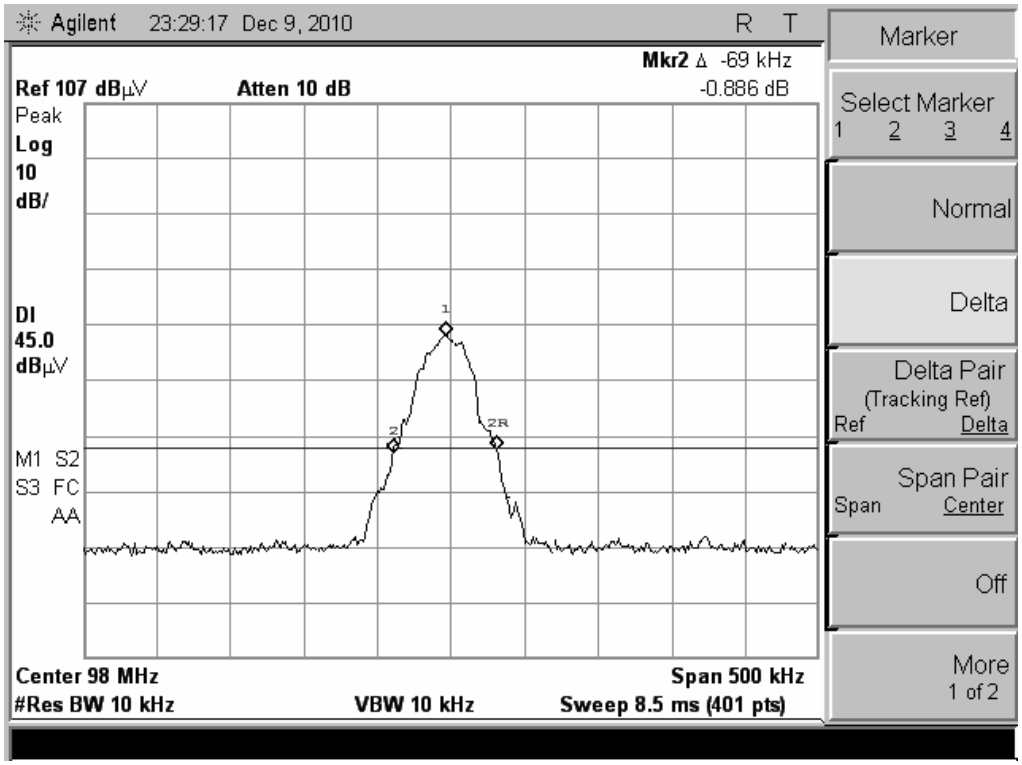
Figure 1: Radiated Emission Test Setup

5.1.3 Test Result

The maximum occupied bandwidth for the fundamental frequency 107.9 MHz is 89 kHz. This occupied bandwidth complies with the FCC requirement.

Test Plot A:

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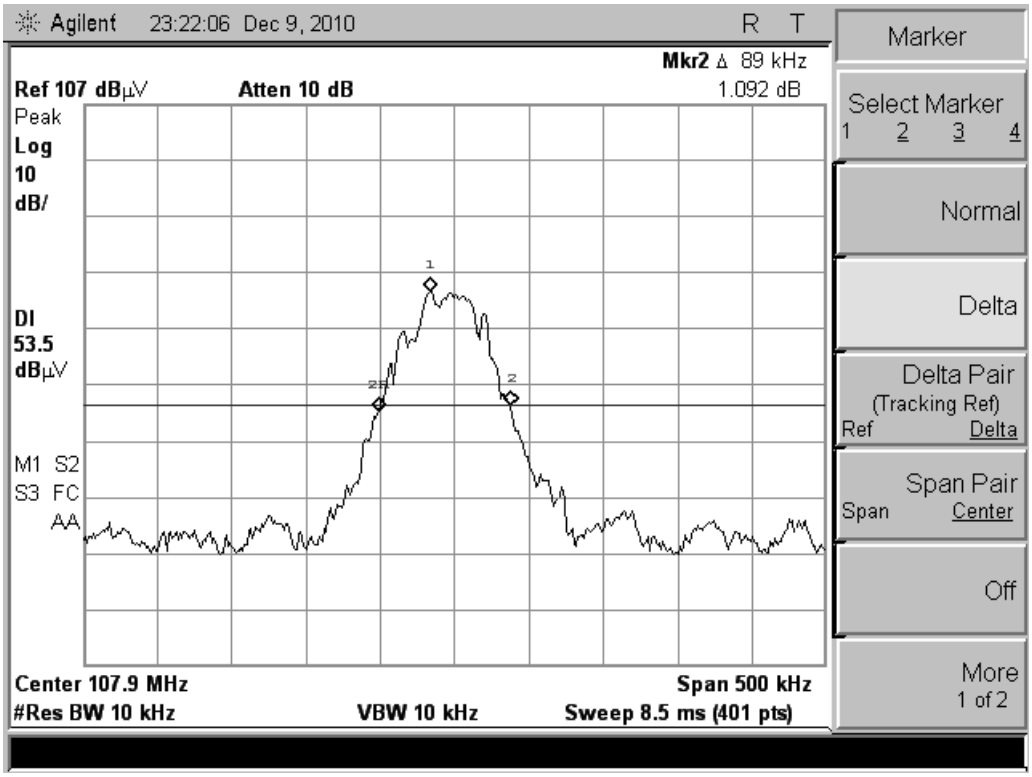
R T
Mkr2 Δ -69 kHz
-0.886 dB
Ref 107 dBµV
Atten 10 dB
Peak
Log
10
dB/
DI
45.0
dBµV
M1 S2
S3 FC
AA
Center 98 MHz
#Res BW 10 kHz
VBW 10 kHz
Span 500 kHz
Sweep 8.5 ms (401 pts)
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2


Agilent 23:22:06 Dec 9, 2010
R T
Mkr2 Δ 89 kHz
1.092 dB
Ref 107 dBµV
Atten 10 dB
Peak
Log
10
dB/
DI
53.5
dBµV
M1 S2
S3 FC
AA
Center 107.9 MHz
#Res BW 10 kHz
VBW 10 kHz
Span 500 kHz
Sweep 8.5 ms (401 pts)
Marker
Select Marker
1 2 3 4
Normal
Delta
Delta Pair
(Tracking Ref)
Ref Delta
Span Pair
Span Center
Off
More
1 of 2

5.2 Frequency Range

5.2.1 Definition

Emissions from the intentional radiator shall be confined within a band 200 kHz wide centered on the operating frequency. The 200 kHz band shall lie wholly within the frequency range of 88-108 MHz.

5.2.2 Test Description

The EUT was placed on a non-conductive table 0.8 meters above the floor. The table was rotated to an angle which presented the highest signal level. The occupied bandwidth was based on a 20 dB criteria (20 dB down either side of the emission from the peak emission). A drawing showing the test setup is given as Figure 1.

5.2.3 Test Result

The operation frequency band is form 88.1 MHz to 107.9 MHz. This frequency range complies with the FCC requirement.

Refer to the occupied bandwidth test Plot A.

5.3 Radiated Emission

5.3.1 Definition

The field strength of any emission within this band (section 15.239, frequency between 88 MHz –108 MHz) shall not exceed 250 micro volts /meter at 3 meters. The emission limit in this paragraph is based on measurement instrumentation employing an average detector. The provisions in section 15.35 for limiting peak emissions apply.

1. The field strength of any emissions which appear outside of this band shall not exceed the general radiated emission limits in section 15.209(Intentional Radiators general limit), as below.

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.*

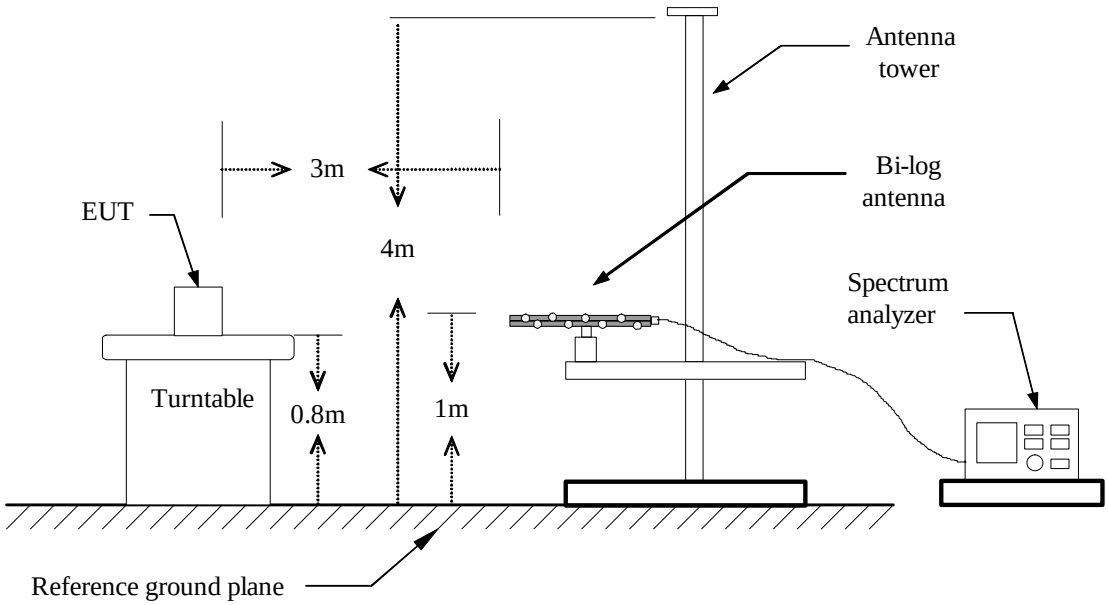
2. In the above emission table, the tighter limit applies at the band edges.

Frequency (Hz)	Field Strength (μV/m at 3-meter)	Test Distance (m)	Field Strength (dBμV/m at 3-meter)
1.705-30	30	3	69.54
30-88	100	3	40
88-216	150	3	43.5
216-960	200	3	46
Above 960	500	3	54
Fundamental	250	3	48

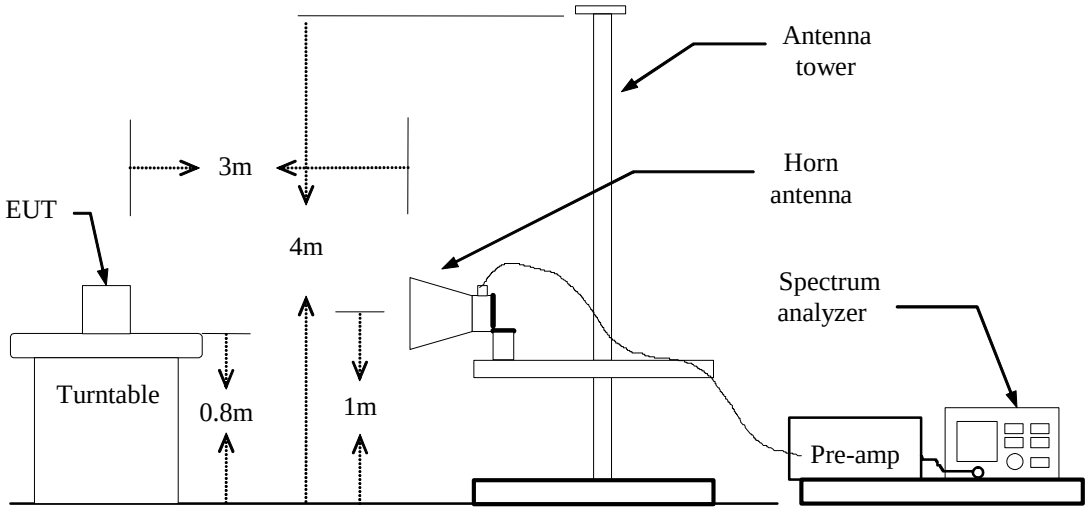
5.3.2 Test Configuration

Test Setup:

Blow 1GHz:



Above 1GHz:



5.3.3 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

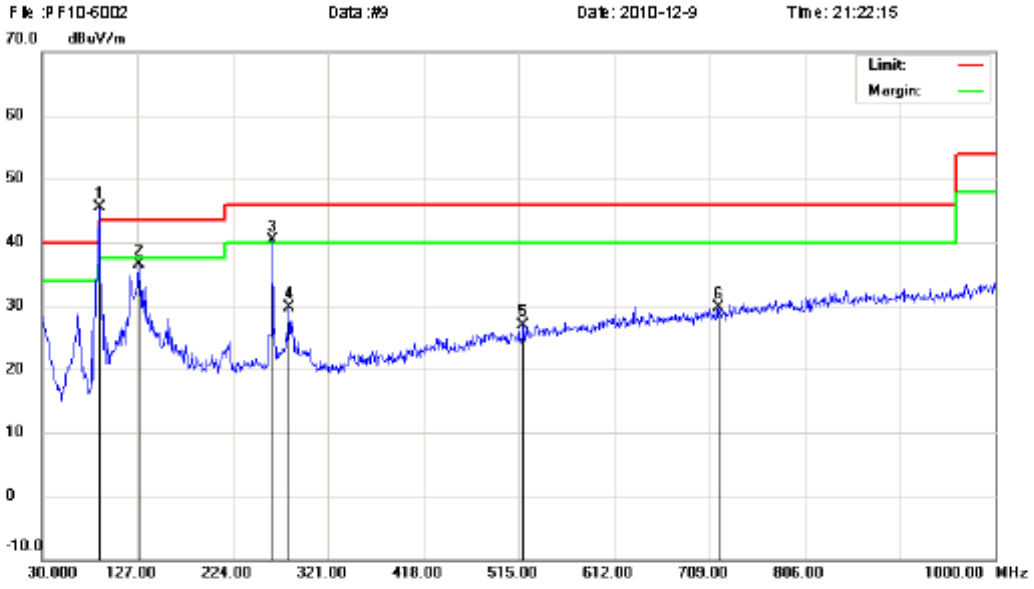
   Above 1GHz :(a) PEAK: RBW=VBW=1MHz / Sweep=AUTO

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

5.3.4 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: Connected PND
M/N: PF10-5002
Mode: FM TX
Note: 88.1MHZ

Polarization: *Horizontal*
Power: AC 230V/60Hz
Distance:

Temperature: 25
Humidity: 60 %

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	*	88.1000	34.12	11.36	45.48	48.00	-2.52	peak			
2		128.9400	18.78	17.70	36.48	43.50	-7.02	peak			
3	!	264.7400	22.01	18.22	40.23	46.00	-5.77	peak			
4		281.2300	10.34	19.41	29.75	46.00	-16.25	peak			
5		519.8500	5.21	21.79	27.00	46.00	-19.00	peak			
6		718.7000	5.03	24.69	29.72	46.00	-16.28	peak			

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

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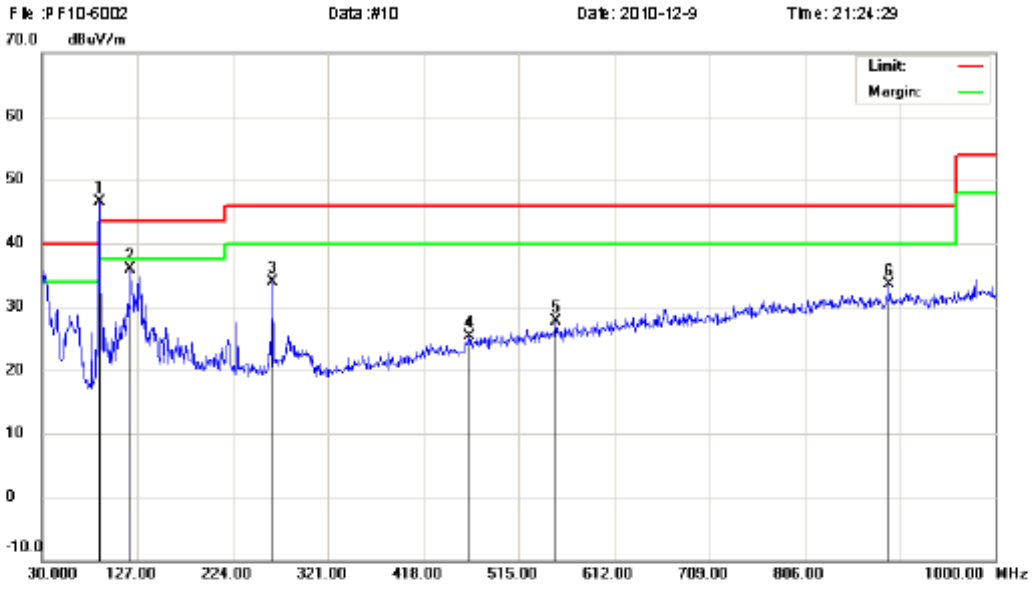
Radiated Emission Measurement



Site site MOST 3M
Limit: FCC Part15 B 3M Radiation
EUT: Connected PND
M/N: PF10-5002
Mode: FM TX
Note: 88.1MHZ

Polarization: *Vertical*
Power: AC 230V/50Hz
Distance:

Temperature: 25
Humidity: 60 %

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	*	88.1000	35.18	11.36	46.54	48.00	-1.46	peak			
2		120.2100	18.44	17.51	35.95	43.50	-7.55	peak			
3		264.7400	15.75	18.22	33.97	46.00	-12.03	peak			
4		464.5600	4.33	20.91	25.24	46.00	-20.76	peak			
5		552.8300	5.16	22.61	27.77	46.00	-18.23	peak			
6		892.3300	6.21	27.32	33.53	46.00	-12.47	peak			

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

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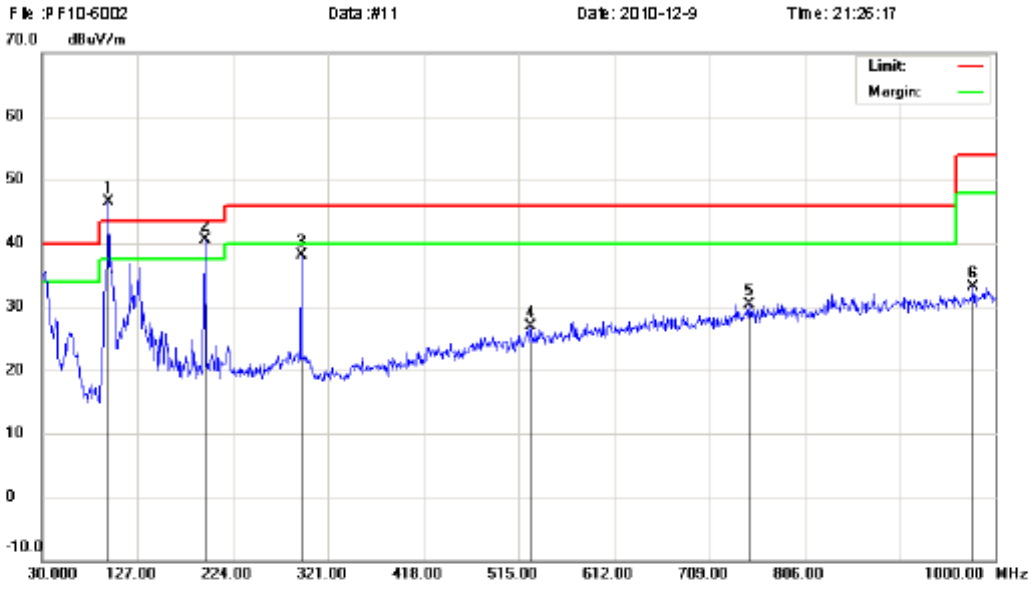
Radiated Emission Measurement



Site site MOST 3M
Limit: FCC Part15 B 3M Radiation
EUT: Connected PND
M/N: PF10-5002
Mode: FM TX
Note: 98.0MHZ

Polarization: *Vertical*
Power: AC 230V/50Hz
Distance:

Temperature: 25
Humidity: 60 %

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	*	97.9000	33.71	12.72	46.43	48.00	-1.57	peak			
2	!	195.8700	23.58	16.95	40.53	43.50	-2.97	peak			
3		293.8399	18.76	19.32	38.08	46.00	-7.92	peak			
4		527.6100	4.73	22.08	26.81	46.00	-19.19	peak			
5		749.7400	4.48	25.80	30.28	46.00	-15.72	peak			
6		977.6900	4.74	28.44	33.18	54.00	-20.82	peak			

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

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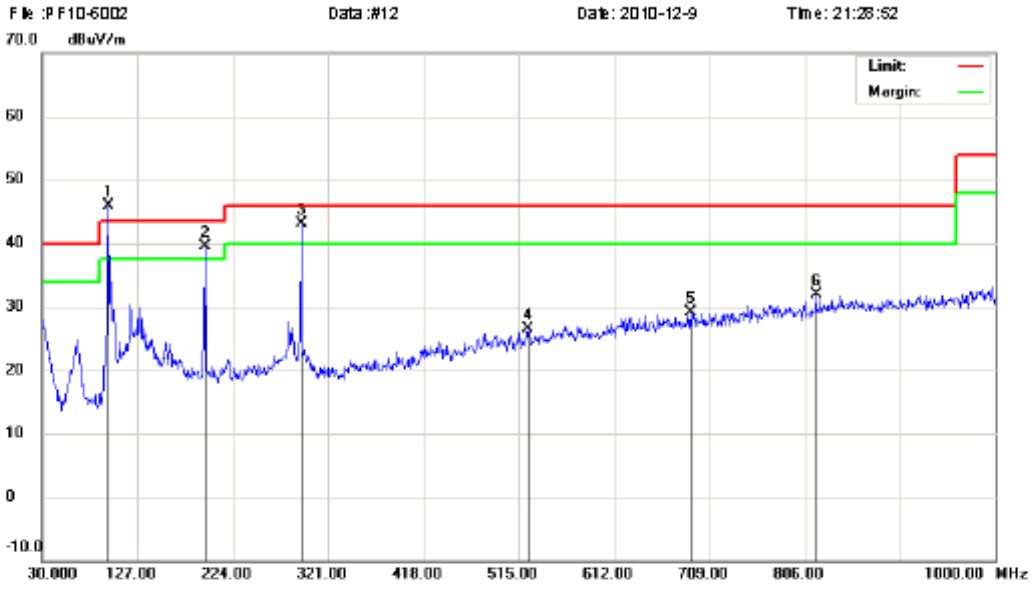
Tel: 0755-86170306 Fax: 0755-86170310

Radiated Emission Measurement



Site site MOST 3M
Limit: FCC Part15 B 3M Radiation
EUT: Connected PND
M/N: PF10-5002
Mode: FM TX
Note: 98.0MHZ

Polarization: *Horizontal*
Power: AC 230V/50Hz
Distance:

Temperature: 25
Humidity: 60 %

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	*	97.9000	33.16	12.72	45.88	48.00	-2.12	peak			
2	!	195.8700	22.57	16.95	39.52	43.50	-3.98	peak			
3	!	293.8399	23.76	19.32	43.08	46.00	-2.92	peak			
4		524.7000	4.42	22.04	26.46	46.00	-19.54	peak			
5		689.6000	4.78	24.40	29.18	46.00	-16.82	peak			
6		817.6400	5.66	26.34	32.00	46.00	-14.00	peak			

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

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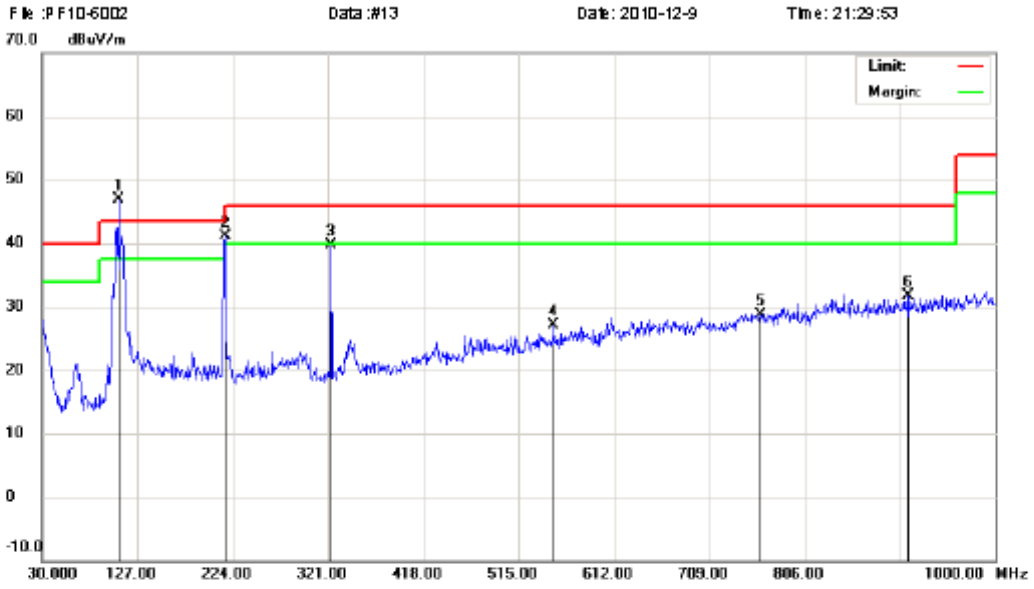
Tel: 0755-86170306 Fax: 0755-86170310

Radiated Emission Measurement



Site site MOST 3M
Limit: FCC Part15 B 3M Radiation
EUT: Connected PND
M/N: PF10-5002
Mode: FM TX
Note: 107.9MHZ

Polarization: *Horizontal*
Power: AC 230V/50Hz
Distance:

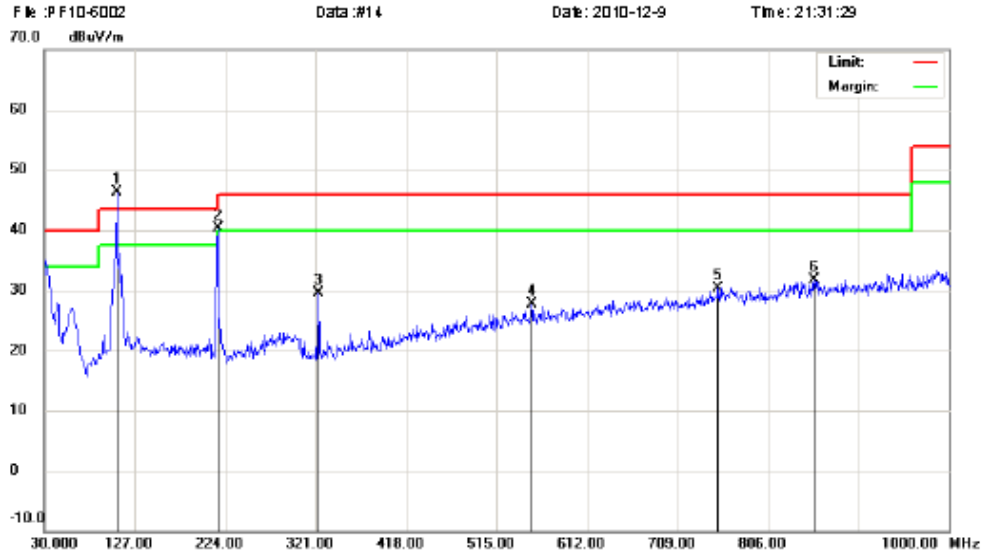
Temperature: 25
Humidity: 60 %

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	*	107.9000	31.59	15.41	47.00	48.00	-1.00	peak			
2	!	216.2400	24.89	16.14	41.03	46.00	-4.97	peak			
3		323.9100	22.76	17.00	39.76	46.00	-6.24	peak			
4		550.8900	4.51	22.54	27.05	46.00	-18.95	peak			
5		761.3800	3.05	25.66	28.71	46.00	-17.29	peak			
6		910.7600	4.12	27.62	31.74	46.00	-14.26	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: Connected PND
M/N: PF10-5002
Mode: FM TX
Note: 107.9MHZ

Polarization: Vertical
Power: AC 230V/60Hz

Temperature: 25
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	*	107.9000	30.93	15.41	46.34	48.00	-1.66	peak			
2	!	216.2400	24.26	16.14	40.40	46.00	-5.60	peak			
3		323.9100	12.51	17.00	29.51	46.00	-16.49	peak			
4		552.8300	5.15	22.61	27.76	46.00	-18.24	peak			
5		752.6500	4.62	25.75	30.37	46.00	-15.63	peak			
6		855.4700	4.64	27.14	31.78	46.00	-14.22	peak			

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

Notes:

(1) The spikes which exceed the limit should be ignored because this is carrier frequency.

Above 1GHz:

Operation Mode: FM TX(88.1MHz) **Test Date:** December. 9, 2010

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)			
N/A	H								
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, 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.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).
7. No additional spurious emissions found between lowest internal generated and 30 MHz

Operation Mode: FM TX(98.0MHz) **Test Date:** December. 9, 2010

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)			
N/A	H								
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, 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.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).
7. No additional spurious emissions found between lowest internal generated and 30 MHz

Operation Mode: FM TX(107.9MHz) **Test Date:** December. 9, 2010

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)			
N/A	H								
N/A	V								

Notes:

1. Measuring frequencies from 1 GHz to the 10th harmonic of highest fundamental frequency.
2. Radiated emissions measured in frequency above 1000MHz were made with an instrument using peak/average detector mode.
3. Average test would be performed if the peak result were greater than the average limit or as required by the applicant.
4. 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.
5. Measurements above show only up to 6 maximum emissions noted, or would be lesser, with " N/A " remark, 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.
6. Margin (dB) = Remark result (dBuV/m) – Average limit (dBuV/m).
7. No additional spurious emissions found between lowest internal generated and 30 MHz

5.4 Antenna Requirement

5.4.1 Definition

An analysis of the *PF10-5002* was performed to determine compliance with FCC Section 15.203. This section requires specific handling and control of antennas used for devices subject to regulations.

5.4.2 Evaluation Procedure

The structure and application of the *PF10-5002* was analyzed with respect to the rules. The antenna is an internal antenna, and is not accessible to the user. An auxiliary antenna port is not present.

5.4.3 Evaluation Criteria

Section 15.203 of the rules states that the subject device must meet at least one of the following criteria:

(a) Antenna must be permanently attached to the unit.

(b) Antenna must use a unique type of connector to attach to the EUT.

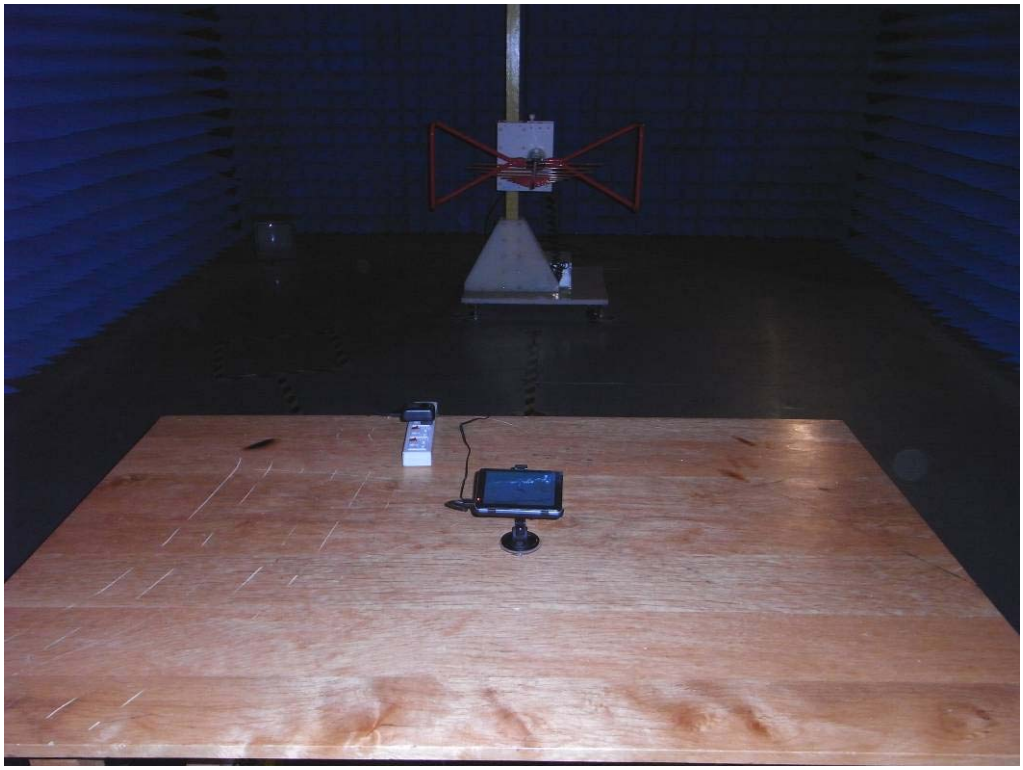
(c) Unit must be professionally installed. Installer shall be responsible for verifying that the correct antenna is employed with the unit.

5.4.4 Evaluation Results

The *PF10-5002* meets the criteria of this rule by virtue of having an internal antenna inaccessible to the user. The EUT is therefore compliant.

APPENDIX 1
PHOTOGRAPHS OF TEST SETUP

Radiated Emission 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

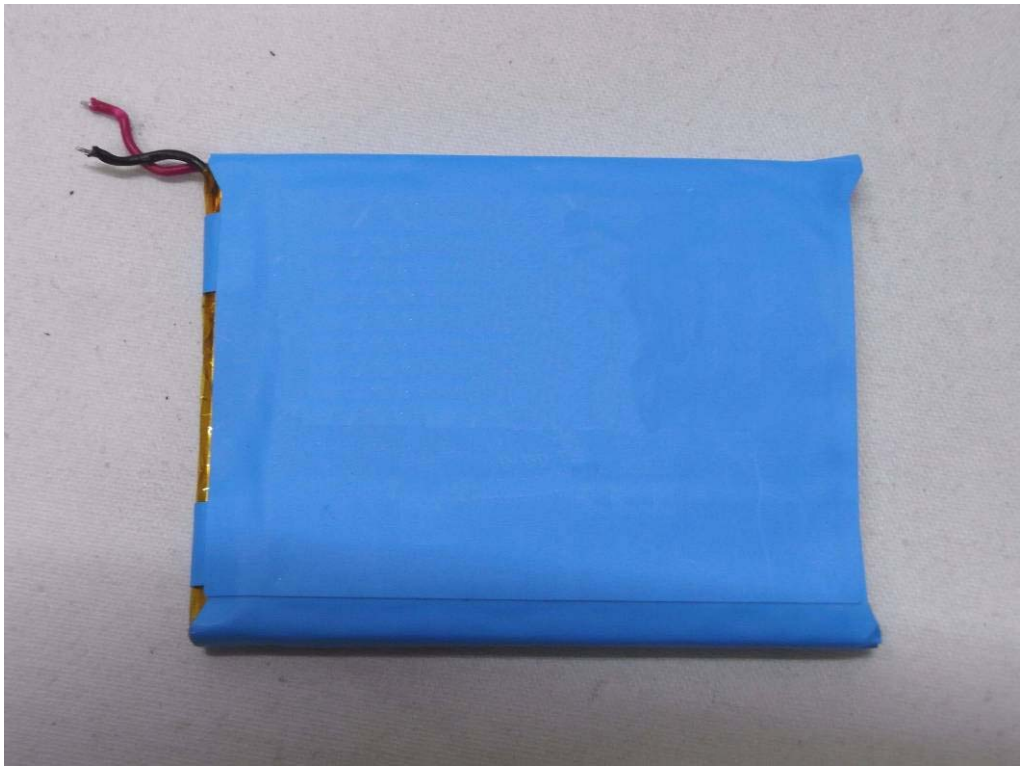
PHOTO OF USB LINE

PHOTO OF CAR ADAPTOR

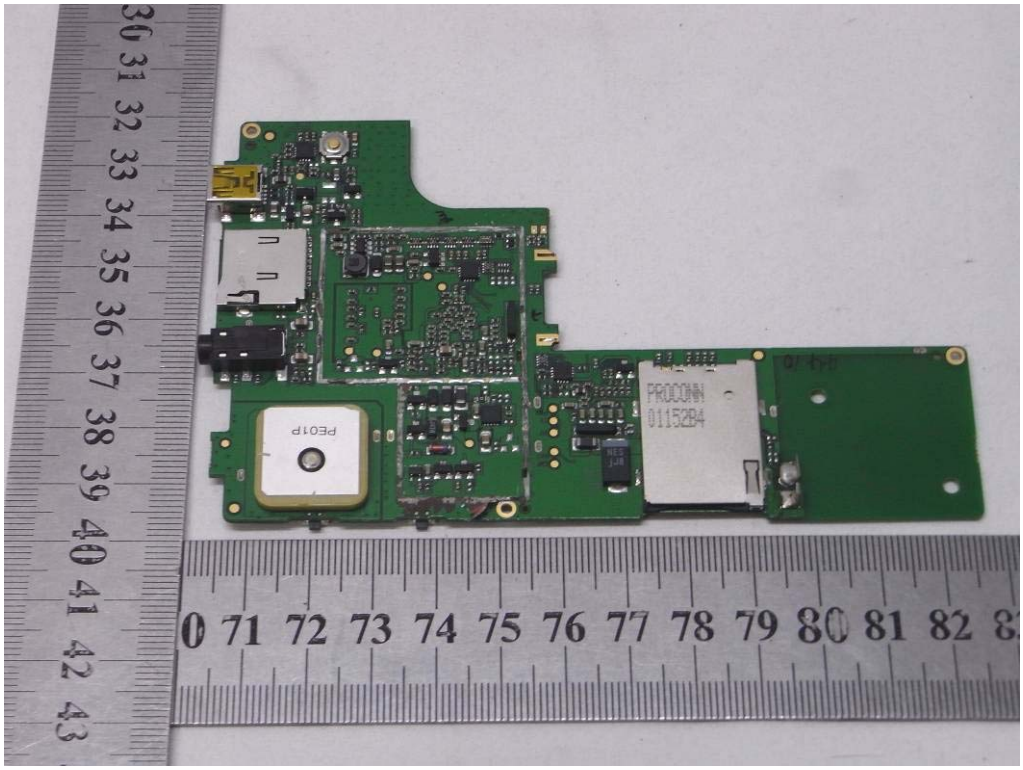
PHOTO OF TRESTLE TABLE

PHOTO OF THE ENTIRE SAMPLE

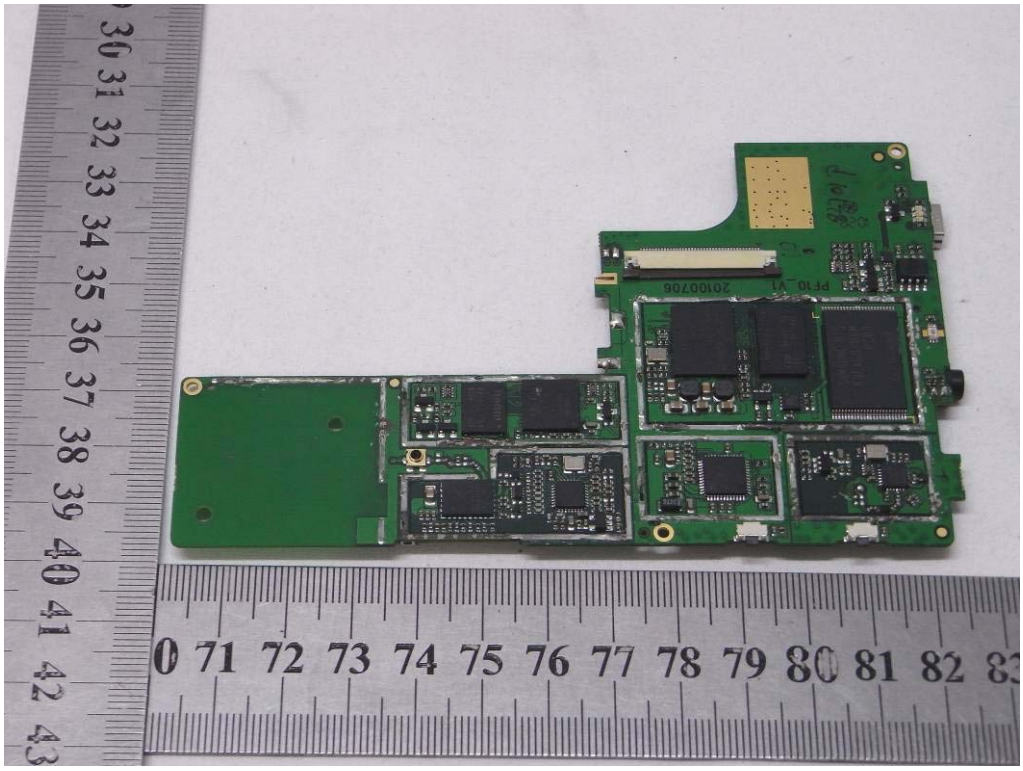
PHOTO OF THE BATTERY



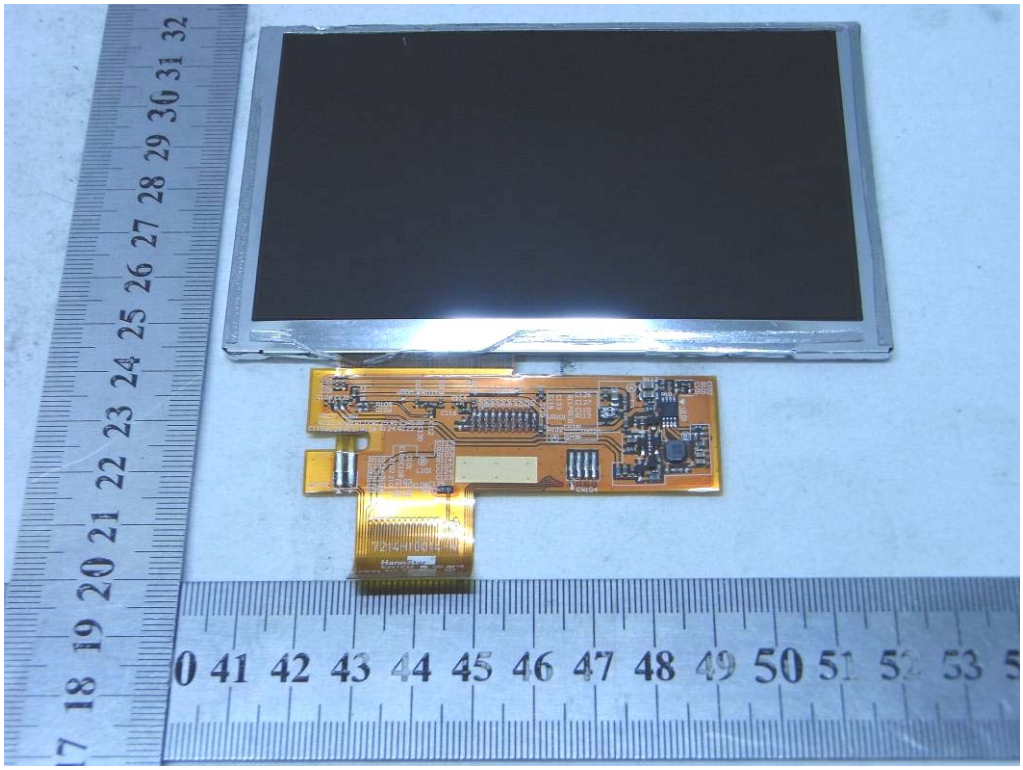
INTERNAL PHOTO OF SAMPLE - 1



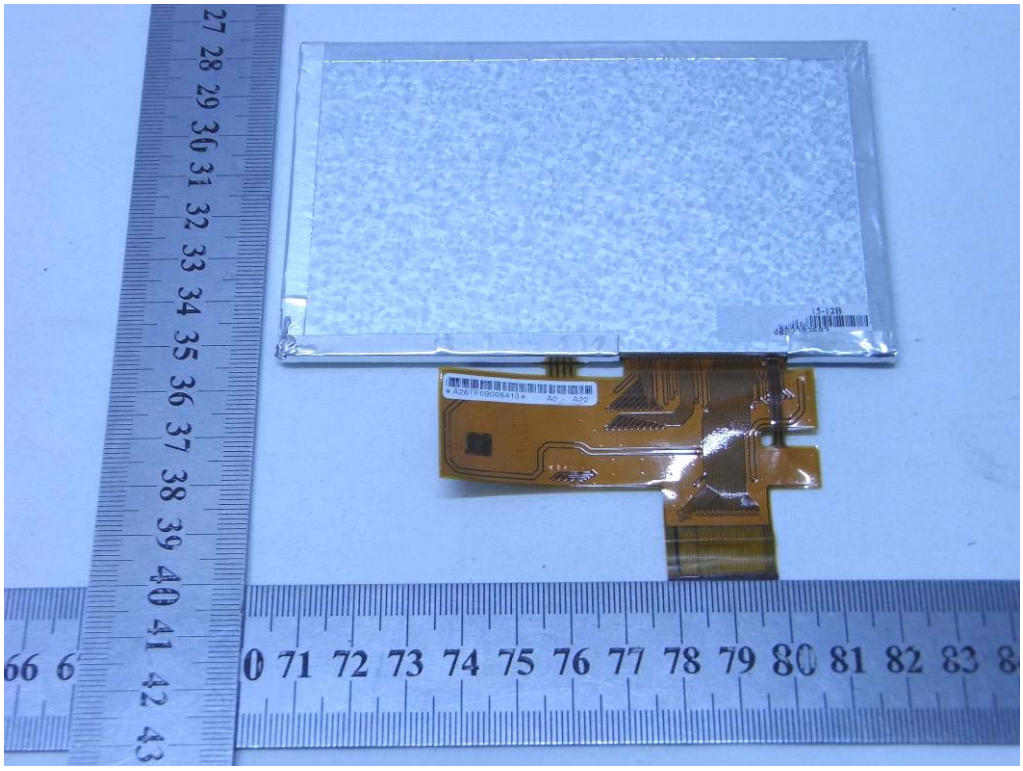
INTERNAL PHOTO OF SAMPLE - 2



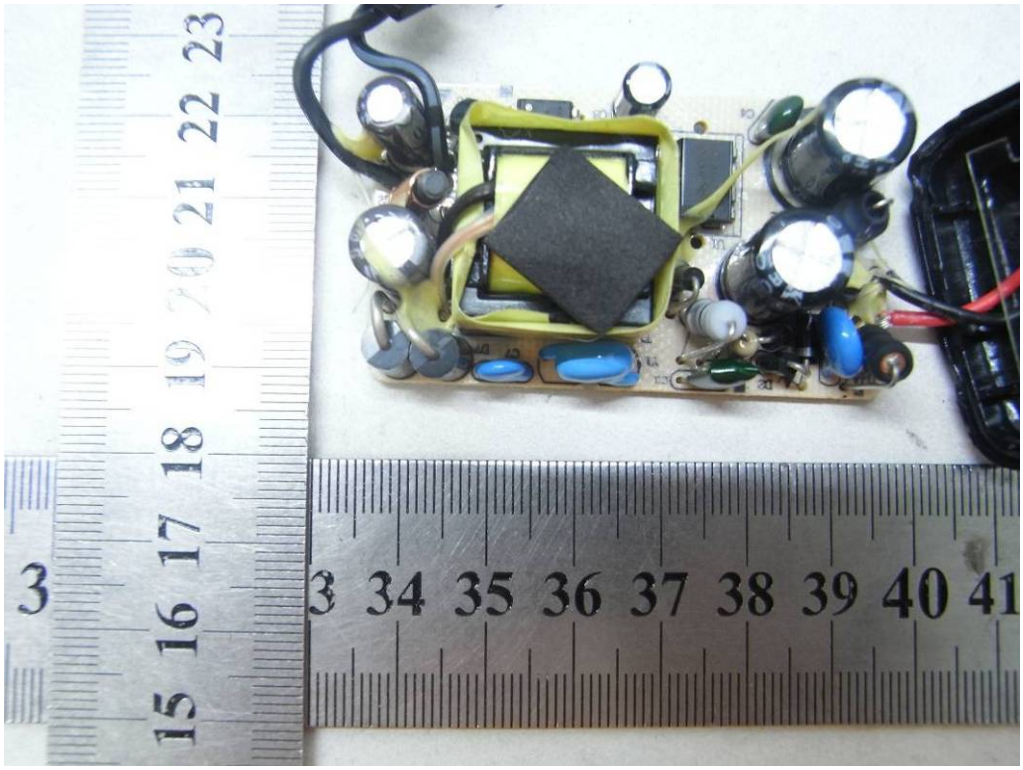
INTERNAL PHOTO OF SAMPLE-3

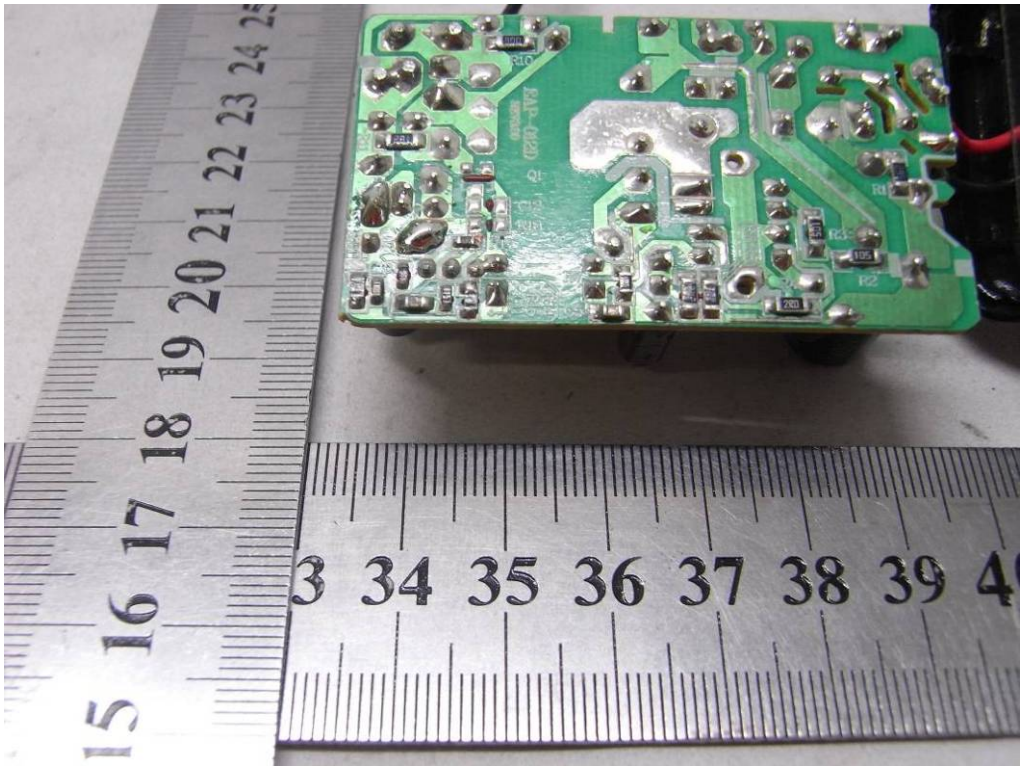


INTERNAL PHOTO OF SAMPLE - 4

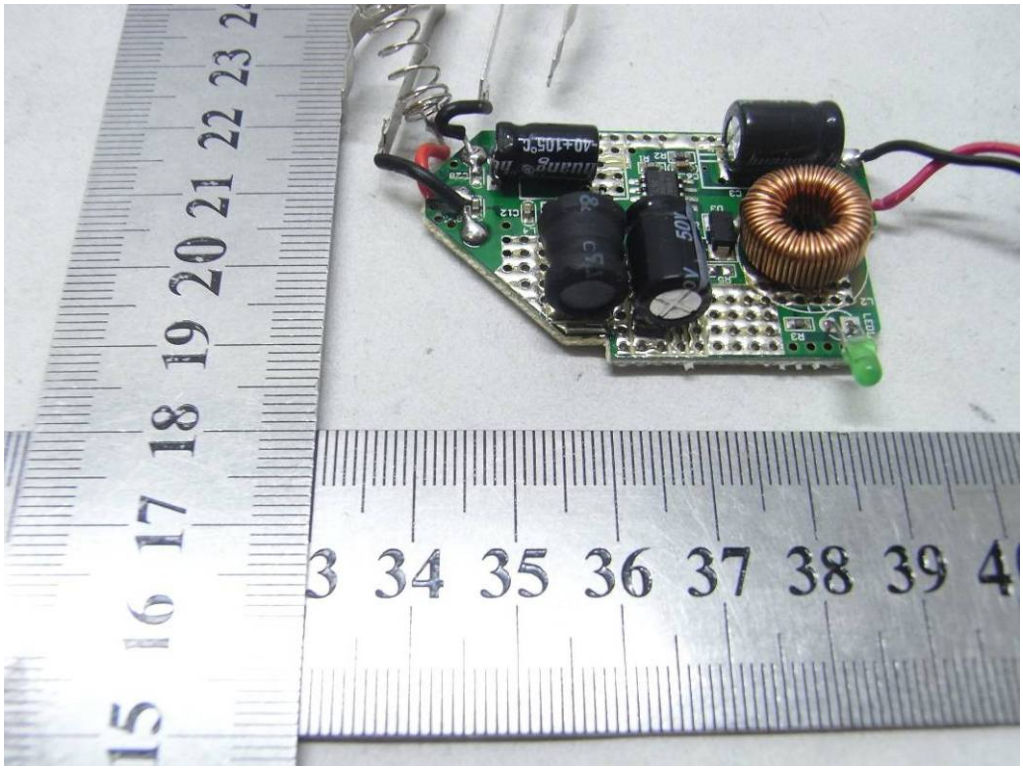


INTERNAL PHOTO OF POWER SUPPLY





INTERNAL PHOTO OF CAR SUPPLY



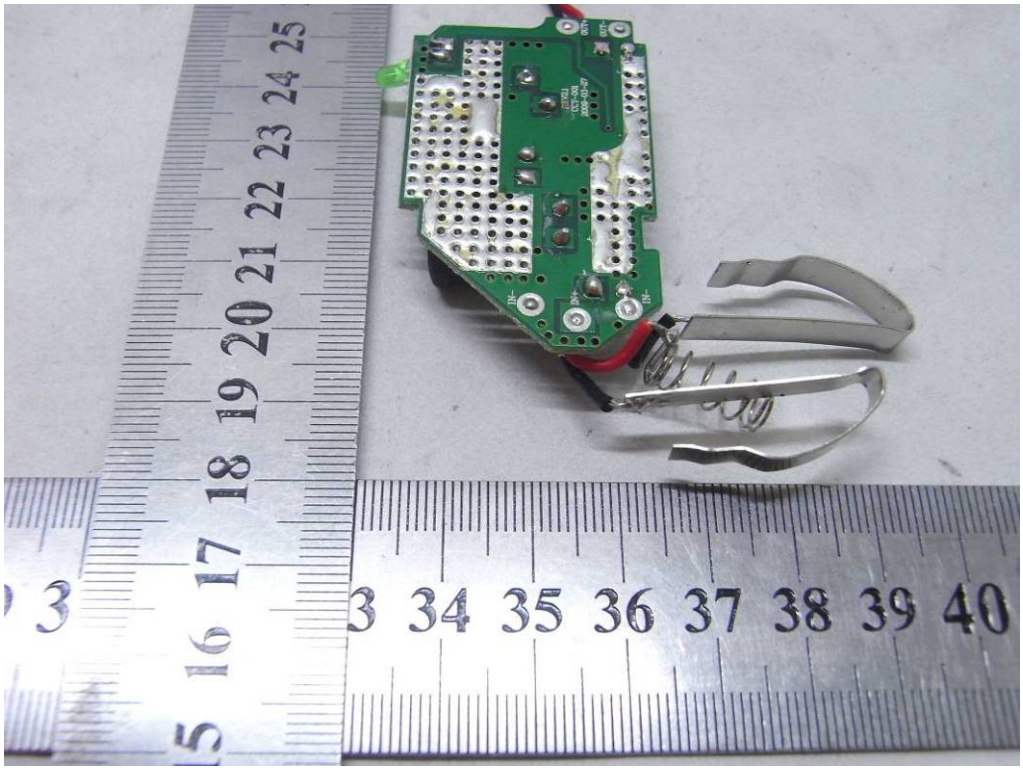


PHOTO OF THE OTHER SAMPLE-1

PHOTO OF THE OTHER SAMPLE-2

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