Shenzhen Huatongwei International Inspection Co., Ltd.
Keji S,12th , Road, Hi-tech Industrial Park, Shenzhen, Guangdong, China
Phone:86-755-26748099 Fax:86-755-26748089 http://www.szhtw.com.cn

TEST REPORT

FCC Rules and Regulations Part 18 2006

Industrial, scientific, and medical equipment – Limits and methods of measurement

Report Reference No. ..... :	**WE07020003**
Compiled by (position+printed name+signature). :	File administrator May Hu
Supervised by (position+printed name+signature). :	Technique principal Byron Lai
Approved by (position+printed name+signature). :	Manager Jimmy Li
Date of issue ..... :	Mar 19, 2007
Testing Laboratory Name ..... :	**Shenzhen Huatongwei International Inspection Co., Ltd**
Address ..... :	Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China
Testing location/ procedure ..... :	Full application of Harmonised standards ☒ Partial application of Harmonised standards ☐ Other standard testing methods ☐
Applicant's name ..... :	**Continental Conair Limited**
Address ..... :	35/F, Standard Chartered Tower, Millennium City 1, 388 Kwun Tong Road, Kwun Tong, Kowloon, Hong Kong
Test specification:	
Standard ..... :	**FCC Rules and Regulations Part 18 2006**
Non-standard test method……..:	/
Test Report Form No. ..... :	HTWEMCFCC_1A
TRF Originator ..... :	Shenzhen Huatongwei International Inspection Co., Ltd
Master TRF ..... :	Dated 2006-06

Test item description..... :	Professional Induction Cooktop			
Trade Mark..... :	/			
Manufacturer..... :	Guangdong Elecpro Electric Appliance Holding Co., Ltd.			
Model/Type reference..... :	ICT100			
FCC ID ..... :	U43ICT100			
Ratings..... :	120Vac	11.7A	60Hz	1400W
Result..... :	**Positive**			

EMC -- T E S T R E P O R T

Test Report No. :	WE07020003	Mar 19, 2007 Date of issue

Equipment under Test	:	Professional Induction Cooktop
Type / Model	:	ICT100
FCC ID	:	U43ICT100
Applicant	:	Continental Conair Limited
Address	:	35/F, Standard Chartered Tower, Millennium City 1, 388 Kwun Tong Road, Kwun Tong, Kowloon, Hong Kong
Manufacturer	:	Guangdong Elecpro Electric Appliance Holding Co., Ltd.
Address	:	Gongye Ave West, Songxia Industrial Park, Nanhai, Foshan, Guangdong, China

Test Result according to the standards on page 4:	**Positive**

The test report merely corresponds to the test sample.
It is not permitted to copy extracts of these test result without the written permission of the test laboratory.

Contents

1. TEST STANDARDS

The tests were performed according to following standards:

FCC Rules and Regulations Part 18 2006 Industrial, scientific, and medical equipment – Limits and methods of measurement

2 . SUMMARY

2.1. General Remarks:

Date of receipt of test sample : Feb 12, 2007

Testing commenced on : Mar 12, 2007

Testing concluded on : Mar 15, 2007

2.2. Equipment Under Test

Power supply system utilised

Power supply voltage : o 230V / 50 Hz o 115V / 60Hz
o 12 V DC o 24 V DC
■ Other (specified in blank below)

120V/60Hz

2.3. Short description of the Equipment under Test (EUT)

The EUT is Professional Induction Cooktop

Series number: Prototype

2.4. EUT operation mode:

The equipment under test was operated during the measurement under the following conditions:

The tests are carried out with surge protective devices disconnected.

Test program (customer specific)

Emissions tests……..: According to FCC Rules and Regulations Part 18 2006 and MP-5 1986, searching for the highest disturbance.

2.5. EUT configuration:

(The CDF filled by the applicant can be viewed at the test laboratory.)

The following peripheral devices and interface cables were connected during the measurement:

■ - supplied by the manufacturer

o - supplied by the lab

■ Power cord for EUT Length (m) : 1.2
Shield : Unshield
Detachable : Undetachable

3. TEST ENVIRONMENT

3.1. Address of the test laboratory

Shenzhen Huatongwei International Inspection Co., Ltd
Keji Nan No.12 Road, Hi-tech Park, Shenzhen, China
Phone: 86-755-26715686 Fax: 86-755-26748089

3.2. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

CNAS-Lab Code: L1225

Shenzhen Huatongwei International Inspection Co., Ltd has been assessed and proved to be in compliance with CNAS-CL01 Accreditation Criteria for Testing and Calibration Laboratories (identical to ISO/IEC 17025: 1999 General Requirements) for the Competence of Testing and Calibration Laboratories.

A2LA-Lab Cert. No. 2243.01

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 1999 General Requirements for the Competence of Testing and Calibration Laboratories and any additional program requirements in the identified field of testing. Valid time is from Aug 24, 2005 to Sept 30, 2007

FCC-Registration No.: 662850

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The acceptance letter from the FCC is maintained in our files. Registration 662850, Renewal date September 12, 2006.

IC-Registration No.: 5377

The 3m Alternate Test Site of Shenzhen Huatongwei International Inspection Co., Ltd has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 5377 on November 28th, 2005.

ACA

Shenzhen Huatongwei International Inspection Co., Ltd, EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our A2LA accreditation.

NEMKO-Aut. No.: ELA125

Shenzhen Huatongwei International Inspection Co., Ltd has been assessed the quality assurance system, the testing facilities, qualifications and testing practices of the relevant parts of the organization. The quality assurance system of the Laboratory has been validated against ISO/IEC 17025 or equivalent. The laboratory also fulfils the conditions described in Nemko Document NLA-10.

VCCI

The 3m Semi-anechoic chamber (12.2m×7.95m×6.7m) and Shielded Room (8m×4m×3m) of Shenzhen Huatongwei International Inspection Co., Ltd has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2484. Date of Registration: December 20, 2006. Valid time is until December 19, 2009.

Main Ports Conducted Interference Measurement of Shenzhen Huatongwei International Inspection Co., Ltd has been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: C-2726. Date of Registration: December 20, 2006. Valid time is until December 19, 2009.

IECEE CB

Shenzhen Huatongwei International Inspection Co Ltd has been assessed and determined to fully comply with the requirements of ISO/IEC 17025: 2005-05, The Basic Rules, IECEE 01: 2006-10 and Rules of Procedure IECEE 02: 2006-10, and the relevant IECEE CB-Scheme Operational Documents.
It is therefore entitled to operate as a CB Testing Laboratory under the responsibility of Nemko A/S. This certificate remains valid until May 25th 2009 at which time it will be reissued by the IECEE Executive Secretary upon successful completion of the normally scheduled 3-year Reassessment Program administered by the IECEE CB Scheme.

DNV

Shenzhen Huatongwei International Inspection Co Ltd has been found to comply with the requirements of DNV towards subcontractor of EMC and safety testing services in conjunction with the EMC and Low voltage Directives and in the voluntary field. The acceptance is based on a formal quality Audit and follow-ups according to relevant parts of ISO/IEC Guide 17025(2005), in accordance with the requirements of the DNV Laboratory Quality Manual towards subcontractors. Valid time is until 19 April, 2007

3.3. Environmental conditions

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

Temperature:	22-25 ° C
Humidity:	40-54 %
Atmospheric pressure:	950-1050mbar

3.4. Test Description

Emission Measurement		
Radiated Emission	FCC Rules and Regulations Part 18 2006	PASS
Conducted Disturbance	FCC Rules and Regulations Part 18 2006	PASS

Remark: The test result PASS and /or FAIL has no relationship with the measurement uncertainty.

3.5. Statement of the measurement uncertainty

The data and results referenced in this document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities. The measurement uncertainty was calculated for all measurements listed in this test report acc. to CISPR 16 - 4 „Specification for radio disturbance and immunity measuring apparatus and methods – Part 4: Uncertainty in EMC Measurements“ and is documented in the Shenzhen Huatongwei International Inspection Co., Ltd quality system acc. to DIN EN ISO/IEC 17025. Furthermore, component and process variability of devices similar to that tested may result in additional deviation. The manufacturer has the sole responsibility of continued compliance of the device.

Hereafter the best measurement capability for Shenzhen Huatongwei laboratory is reported:

Test	Range	Measurement Uncertainty	Notes
Radiated Emission	0.009~30MHz	±3.89dB	(1)
Radiated Emission	30~1000MHz	±4.22dB	(1)
Conducted Disturbance	0.009~30MHz	±3.29dB	(1)

(1) This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

3.6. Equipments Used during the Test

Conducted Disturbance					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	EMI Test Receiver	ROHDE & SCHWARZ	ESCS30	100038	2006/10
2	Artificial Mains	ROHDE & SCHWARZ	ESH2-Z5	100028	2006/10
3	Pulse Limiter	ROHDE & SCHWARZ	ESHSZ2	100044	2006/10
4	EMI Test Software	ROHDE & SCHWARZ	ESK1	N/A	2006/10

Radiated Emission					
Item	Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.
1	Loop Antenna	ROHDE & SCHWARZ	HFH2-Z2	100020	2006/10
2	ULTRA-BROADBAND ANTENNA	ROHDE & SCHWARZ	HL562	100015	2006/10
3	EMI TEST RECEIVER	ROHDE & SCHWARZ	ESI 26	100009	2006/10
4	RF TEST PANEL	ROHDE & SCHWARZ	TS / RSP	335015/ 0017	2006/10
5	TURNTABLE	ETS	2088	2149	2006/10
6	ANTENNA MAST	ETS	2075	2346	2006/10
7	EMI TEST SOFTWARE	ROHDE & SCHWARZ	ESK1	N/A	2006/10

4. TEST CONDITIONS AND RESULTS

4.1. Radiated Emission

For test instruments and accessories used see section 3.6.

4.1.1. Description of the test location

Test location: Shielded room No. 4

4.1.2. Limits of disturbance

Frequency (MHz)	Field Strengths Limits (μV/m)	Distance (Meters)	Field Strengths Limits (dBμV/m)
0.009 ~ 0.090	1500	30	73(10m)
0.090~30.000	300	30	59(10m)
30~1000	300	30	69(3m)

Note: (1) The E.U.T. is needed to measure up to the highest frequency 400MHz due to the operation frequency of the E.U.T. is 1.705~30MHz.

(2) The tighter limit shall apply at the edge between two frequency bands.

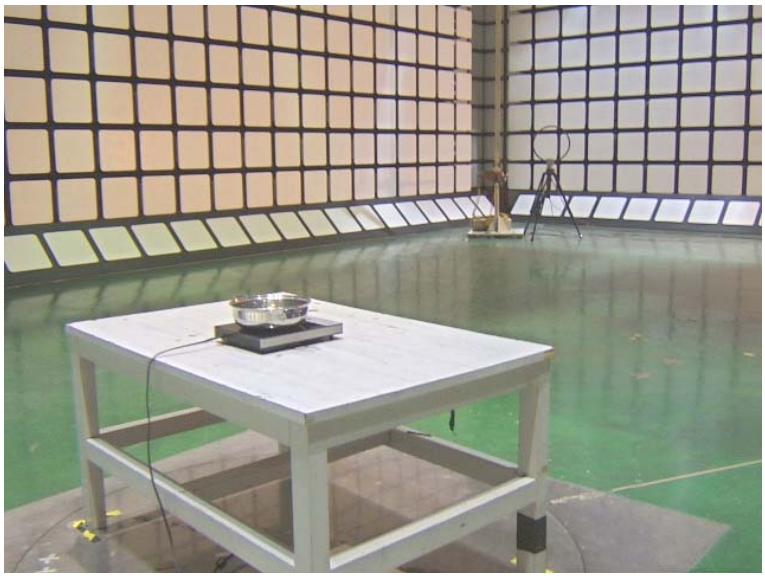
(3) Distance 10m refers to the frequency in 0.009~30MHz and 3m refers to the frequency in 30~1000MHz.

4.1.3. Description of the test set-up

4.1.3.1. Operating Condition

The EUT is set to work in water cooking mode during the test, and the results of the maximum emanation are recorded.

4.1.3.2. Photos of the test set-up



4.1.4. Test result

The requirements are **Fulfilled**

Band Width: 200Hz

Frequency Range: 9KHz to 150KHz

Band Width: 9KHz

Frequency Range: 150KHz to 30MHz

Band Width: 120KHz

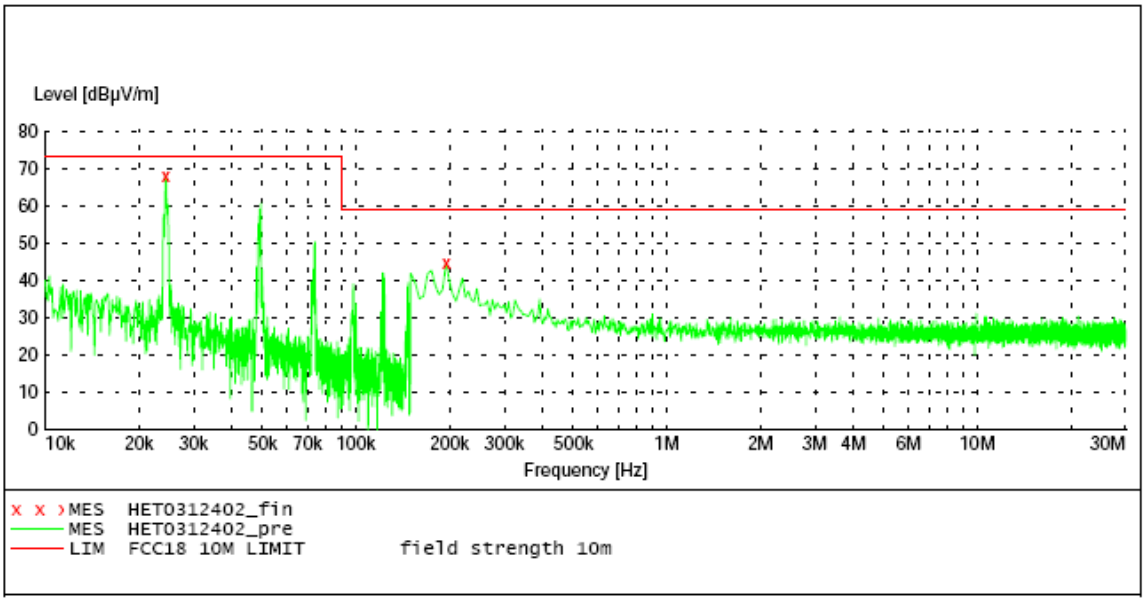
Frequency Range: 30MHz to 1000MHz

Remarks: The limits are kept. For detailed results, please see the following page(s).

Shenzhen HuaTongWei International Inspection CO.,LTD

RADIATED EMISSION FCC PART 18 COOK

EUT:	PROFESSIONAL INDUCTION COOKTOP M/N:ICT100
Manufacturer:	CONTINENTAL CONAIR LIMITED
Operating Condition:	ON
Test Site:	HTW
Operator:	JACKY
Test Specification:	AC 120V/60Hz
Comment:	Temp:26'c Humi: 51%
Start of Test:	3/12/07 / 9:07:33AM



MEASUREMENT RESULT: "HET0312402_fin"

2/1/07 9:10AM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
0.024400	68.10	20.0	73.0	4.9	QP	100.0	0.00	HORIZONTAL
0.195000	44.60	20.0	59.0	14.4	QP	100.0	0.00	HORIZONTAL

SHENZHEN HUATONGWEI INTERNATIONAL INSPECTION CO.,LTD

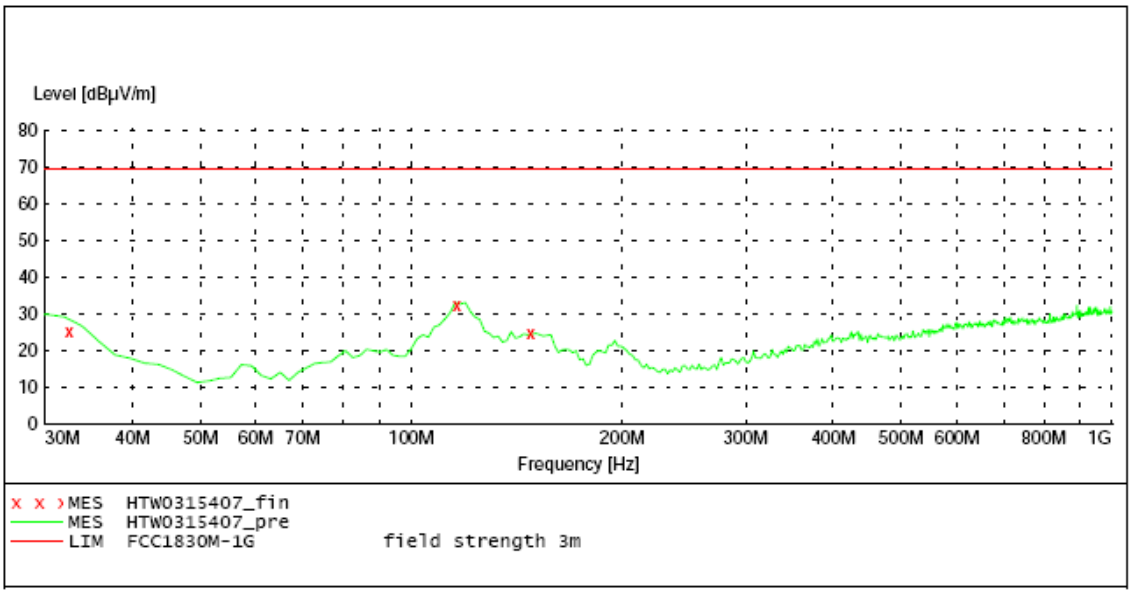
RADIATED EMISSION FCC PART 18 COOK

EUT: PROFESSIONAL INDUCTION COOKTOP M/N:ICT100
Manufacturer: CONTINENTAL CONAIR LIMITED
Operating Condition: ON
Test Site: 3M CHAMBER
Operator: JACKY
Test Specification: AC 120V/60Hz
Comment:

SCAN TABLE: "test Field(30M-1G)QP"

Short Description: Field Strength(30M-1G)

Start Frequency	Stop Frequency	Step width	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	60.0 kHz	QuasiPeak	1.0 s	120 kHz	HL562(2006)



MEASUREMENT RESULT: "HTW0315407_fin"

3/15/07 9:26AM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
32.460000	25.00	19.8	69.5	44.5	QP	250.0	253.00	HORIZONTAL
116.094950	32.10	13.3	69.5	37.4	QP	281.0	12.00	HORIZONTAL
148.061042	24.50	10.9	69.5	45.0	QP	150.0	159.00	HORIZONTAL

SHENZHEN HUATONGWEI INTERNATIONAL INSPECTION CO.,LTD

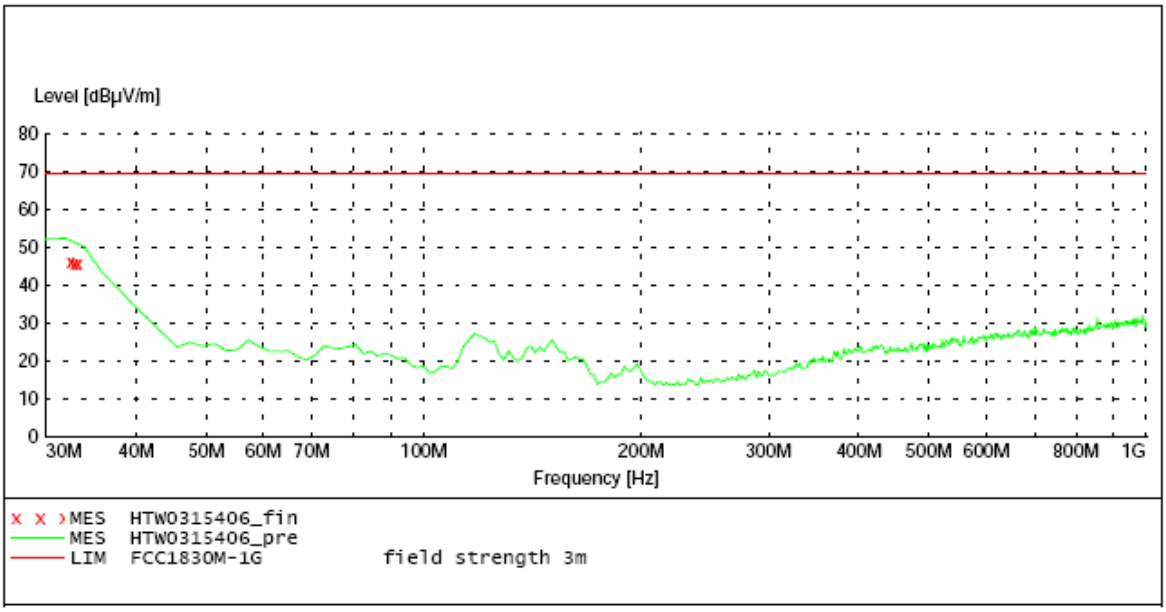
RADIATED EMISSION FCC PART 18 COOK

EUT: PROFESSIONAL INDUCTION COOKTOP M/N:ICT100
Manufacturer: CONTINENTAL CONAIR LIMITED
Operating Condition: ON
Test Site: 3M CHAMBER
Operator: JACKY
Test Specification: AC 120V/60Hz
Comment:

SCAN TABLE: "test Field(30M-1G)QP"

Short Description: Field Strength(30M-1G)

Start Frequency	Stop Frequency	Step Width	Detector	Meas. Time	IF Bandw.	Transducer
30.0 MHz	1.0 GHz	60.0 kHz	QuasiPeak	1.0 s	120 kHz	HL562(2006)



MEASUREMENT RESULT: "HTW0315406_fin"

3/15/07 9:15AM

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Det.	Height cm	Azimuth deg	Polarization
32.460000	45.90	19.8	69.5	23.6	QP	100.0	99.00	VERTICAL
32.891663	45.40	19.6	69.5	24.1	QP	100.0	181.00	VERTICAL
33.180000	45.30	19.4	69.5	24.2	QP	100.0	138.00	VERTICAL

4.2. Conducted disturbance

For test instruments and accessories used see section 3.6.

4.2.1. Description of the test location

Test location: Shielded room No. 3

4.2.2. Limits of disturbance

Limit of Conducted Disturbance at Mains Ports

Frequency Range (MHz)	Limits (dBuV)	
	Quasi-Peak	Average
0.009～0.050	110	-
0.050～0.150	90-80	-
0.150～0.500	66 to 56	56 to 46
0.500～5.000	56	46
5.000～30.000	60	50

Note: (1) The tighter limit shall apply at the edge between two frequency bands.

4.2.3. Description of the test set-up

4.2.3.1. Operating Condition

The EUT is set to work in water cooking mode during the test, and the results of the maximum emanation are recorded.

4.2.3.2. Photo of the test set-up

4.2.4. Test result

The requirements are **Fulfilled**

Band Width: 200Hz

Frequency Range: 9KHz to 150KHz

Band Width: 9KHz

Frequency Range: 150KHz to 30MHz

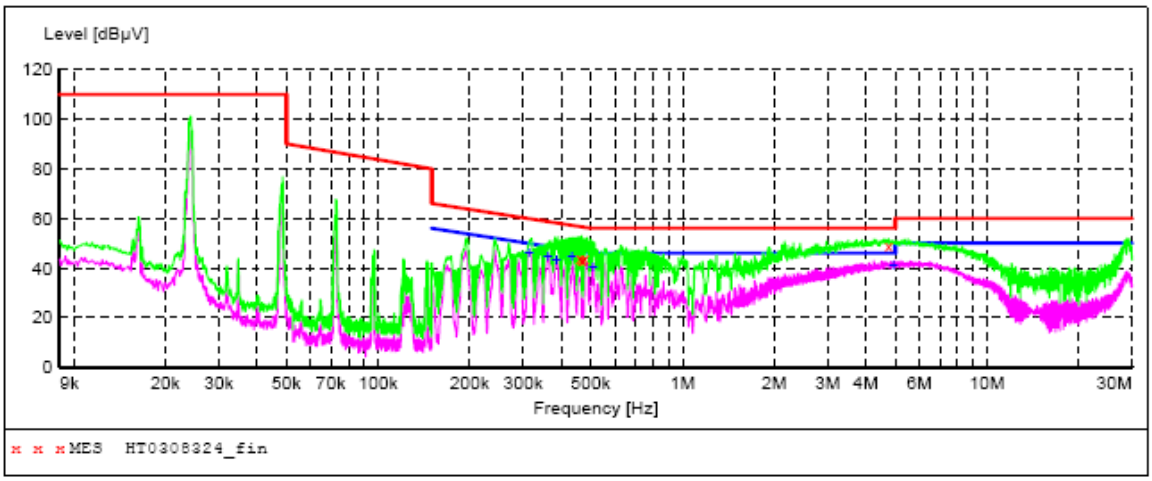
Remarks: The limits are kept. For detailed results, please see the following page(s).

Shenzhen Huatongwei International Inspection CO.,Ltd

Voltage Mains Test FCC PART 18

EUT: PROFESSIONAL INDUCTION COOKTOP M/N:ICT100
Manufacturer: HCONTINENTAL CONAIR LIMITED
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: TONY
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 3/8/2007 / 11:35:52AM

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "HT0308324_fin"

3/8/2007 11:39AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.462000	44.20	10.1	57	12.5	QP	L1	GND
0.468000	43.00	10.1	57	13.5	QP	L1	GND
0.472000	43.00	10.1	57	13.5	QP	L1	GND
0.478000	44.30	10.1	56	12.1	QP	L1	GND
4.756000	48.80	10.3	56	7.2	QP	L1	GND

MEASUREMENT RESULT: "HT0308324_fin2"

3/8/2007 11:39AM

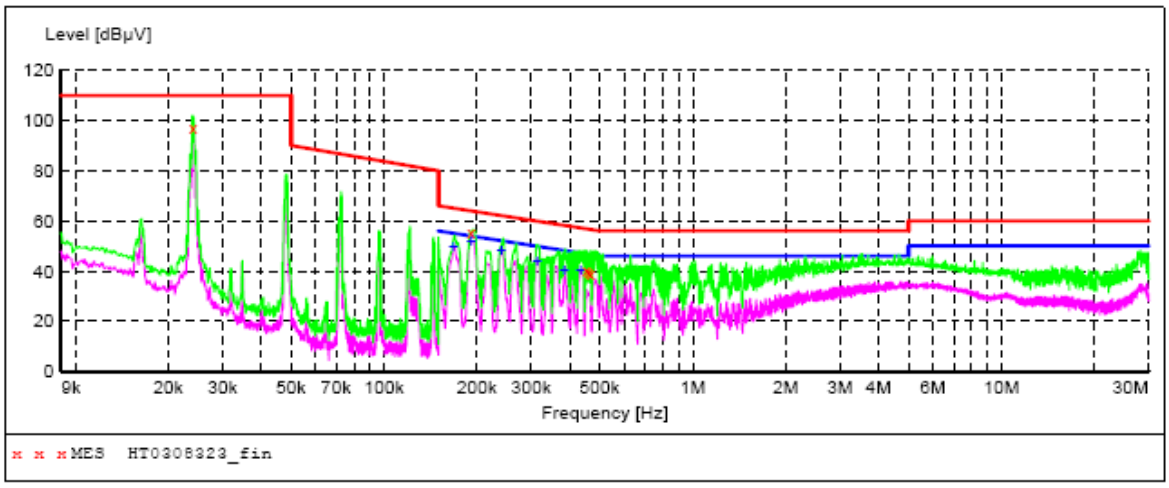
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.314000	46.00	10.1	50	3.9	AV	L1	GND
0.362000	44.50	10.1	49	4.2	AV	L1	GND
0.386000	43.60	10.1	48	4.5	AV	L1	GND
0.434000	44.40	10.1	47	2.8	AV	L1	GND
0.508000	40.50	10.1	46	5.5	AV	L1	GND
4.940000	41.20	10.3	46	4.8	AV	L1	GND

Shenzhen Huatongwei International Inspection CO.,Ltd

Voltage Mains Test FCC PART 18

EUT: PROFESSIONAL INDUCTION COOKTOP M/N:ICT100
Manufacturer: HCONTINENTAL CONAIR LIMITED
Operating Condition: ON
Test Site: 3# SHIELDED ROOM
Operator: TONY
Test Specification: AC 120V/60Hz
Comment:
Start of Test: 3/8/2007 / 11:30:44AM

SCAN TABLE: "Voltage (9K-30M)FIN"
Short Description: 150K-30M Voltage



MEASUREMENT RESULT: "HT0308323_fin"

3/8/2007 11:34AM

Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.024100	97.50	10.3	110	12.5	QP	N	GND
0.192000	55.50	10.1	64	8.4	QP	N	GND
0.454000	40.30	10.1	57	16.5	QP	N	GND
0.462000	39.80	10.1	57	16.9	QP	N	GND
0.468000	38.80	10.1	57	17.7	QP	N	GND

MEASUREMENT RESULT: "HT0308323_fin2"

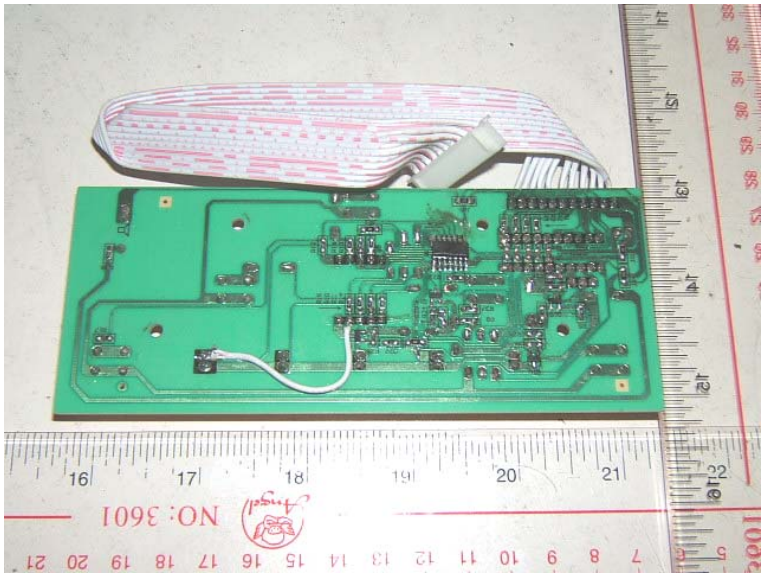
3/8/2007 11:34AM

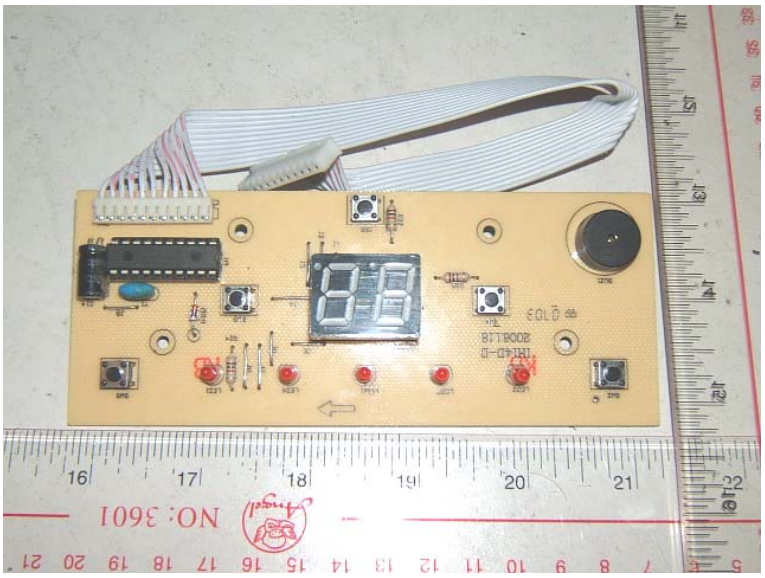
Frequency MHz	Level dBµV	Transd dB	Limit dBµV	Margin dB	Detector	Line	PE
0.168000	49.90	10.1	55	5.2	AV	N	GND
0.192000	51.80	10.1	54	2.1	AV	N	GND
0.240000	48.10	10.1	52	4.0	AV	N	GND
0.314000	44.30	10.1	50	5.6	AV	N	GND
0.384000	40.50	10.1	48	7.7	AV	N	GND
0.434000	40.40	10.1	47	6.8	AV	N	GND

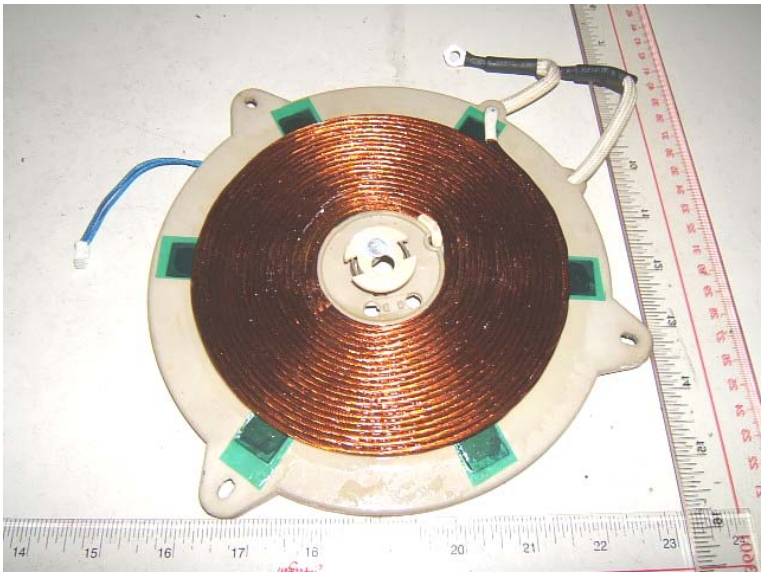
5. External and Internal Photos of the EUT

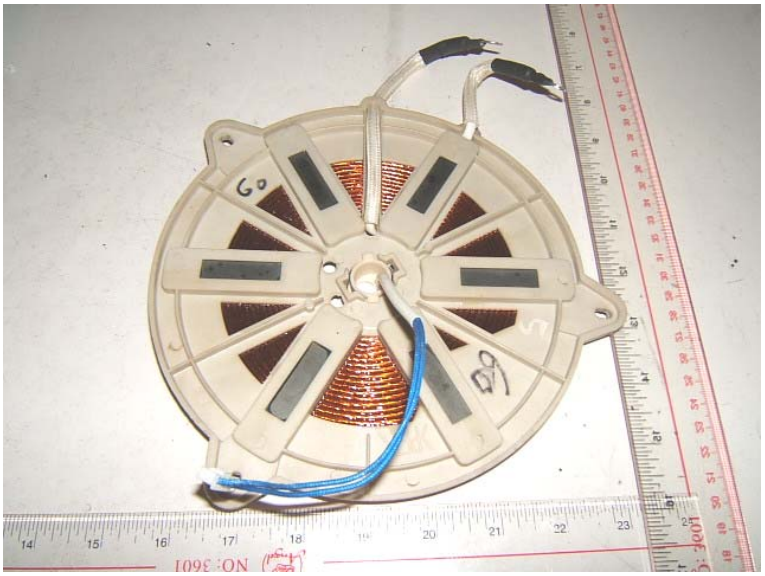
5.1. External photos of the EUT

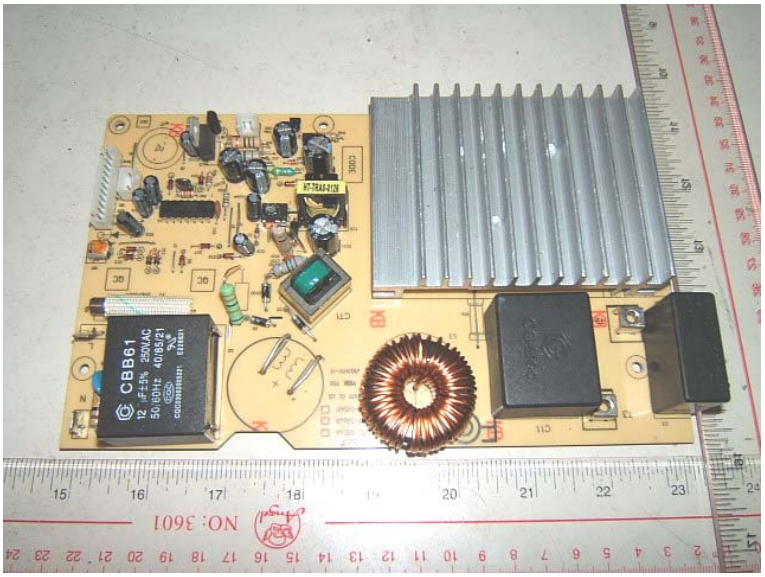
5.2. Internal photos of the EUT

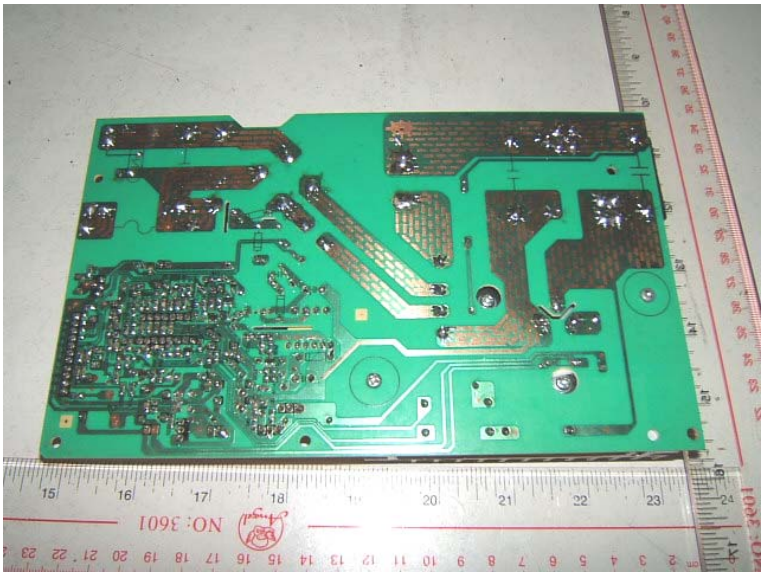




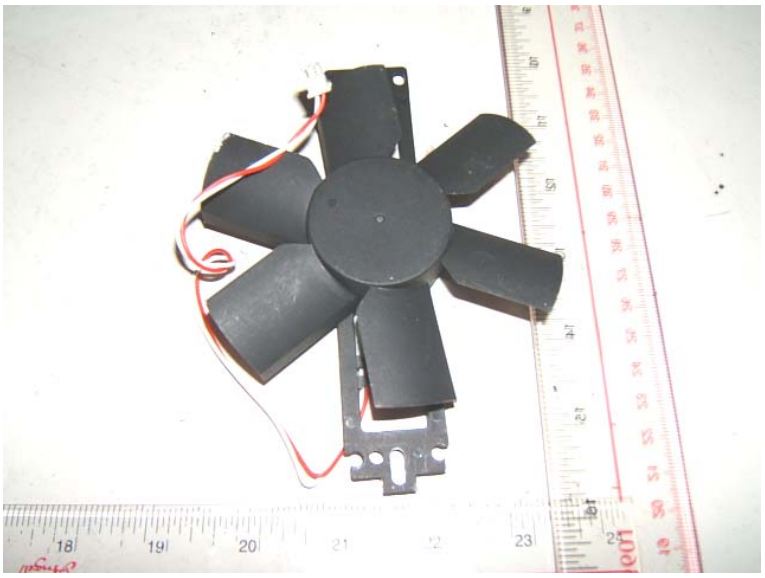





CBB61




YUHONG MICROMOTOR CO.,LTD
MODEL: YHWF-118
DC 18V 0.17A
DC Brushless Fan
DATE: 0913



..... End Of Report.....