

No.198 Kezhu Road, Science Town Economic& Technology Development District Guangzhou, China 510663

Telephone: +86 (0) 20 82155555 Report No.: GLEMR070902950HST

Fax: +86 (0) 20 82075059 Page: 1 of 12

nail: sgs_internet_operations@sgs.com FCC ID: TAPMC-USQ13A

Test Report

Application No.: GLEMR070902950HS

Applicant: Guangdong MD Consumer Electric Manufacturing Co., Ltd

FCC ID: TAPMC-USQ13A

Equipment Under Test (EUT):

EUT Name: INDUCTION COOKER

Item No.: MC-USQ13A

Serial No.: Not supplied by client

Standards: FCC PART 18: 2006

Date of Receipt: 26 September 2007

Date of Test: 11 and 12 October 2007

Date of Issue: 16 October 2007

Test Result : PASS*

* In the configuration tested, the EUT complied with the standards specified above.

Authorized Signature:

Jerry Chen Manager

The manufacturer should ensure that all products in series production are in conformity with the product sample detailed in this report. If the product in this report is used in any configuration other than that detailed in the report, the manufacturer must ensure the new system complies with all relevant standards.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the federal government. All test results in this report can be traceable to National or International Standards.

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2 Test Summary

| Test | t Test Requirement | | Class / Severity | Result | |
|-----------------------------------|--------------------|-----------------------|------------------|--------|--|
| Radiated Emission (9KHz to 30MHz) | FCC PART 18: 2006 | FCC OST/ MP-5:1986 | 18.305 | PASS | |
| Conducted Emission | ECC DART 19: 2006 | FCC OST/ MP-5:1986 | 18.307(a) | PASS | |
| (9KHz to 30MHz) | FCC FART 10. 2000 | FOO OS 1/ WIF-5. 1900 | 10.507(a) | PASS | |



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4 General Information

4.1 Client Information

Applicant: Guangdong MD Consumer Electric Manufacturing Co., Ltd

Address of Applicant: 19 Sanle Road, Beijiao, Shunde, Foshan, Guangdong, P.R. China

4.2 General Description of E.U.T.

EUT Name: INDUCTION COOKER

Item No.: MC-USQ13A

Serial No.: Not supplied by client

4.3 Details of E.U.T.

Power Supply: 120V AC 60Hz

Power Cord: 1.40m x 2 wires unscreened AC cable

4.4 Description of Support Units

The EUT has been tested with pure water filled in a boiler (80% of max. capacity) which was supplied by applicant.

4.5 Standards Applicable for Testing

The standard used was FCC PART 18 (2006).

4.6 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory, No.198 Kezhu Road, Science Town Economic& Technology Development District Guangzhou, China 510663

Tel: +86 20 82155555 Fax: +86 20 8207 5059

No tests were sub-contracted.



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4.7 Test Facility

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

• NVLAP (Lab Code: 200611-0)

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is recognized under the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

ACA

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian C-Tick mark as a result of our NVLAP accreditation.

• SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

CNAS (Lab Code: L0167)

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been assessed and in compliance with CNAS-CL01:2006 accreditation criteria for testing laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of Testing Laboratories.

FCC (Registration No.: 282399)

SGS-CSTC Standards Technical Services 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 282399, May 31, 2002. With the above and NVLAP's accreditation, SGS-CSTC is an authorized test laboratory for the DoC process.

Industry Canada (Registration No.: 4620B-1)

The 3m/10m Alternate Semi-anechoic chamber of SGS-CSTC Standards Technical Services Co., Ltd. has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 4620B-1.

Date of Registration: Jan 15, 2007. Valid until Jan 15, 2009

VCCI (Registration No.: R-2460 and C-2584)

The 10m Semi-anechoic chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-2460 and C-2584 respectively.

This certificate is valid until September 14.2009

4.8 Deviation from Standards

For Radiated Emission, test at 10m distance instead of 30m distance. 19dB was plus to the limit of 30m measurement limit. More details refer to FCC part 15.31(f)(2).

4.9 Abnormalities from Standard Conditions

None.



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5 Equipments Used during Test

| | Conducted Emission | | | | | | | | |
|---------|--------------------|-----------------|----------------------------|------------|-------------------------|-------------------------|--|--|--|
| No: | Test Equipment | Manufacturer | Model No. | Serial No. | Cal. Date (dd-mm-yy) | Cal.Due date (dd-mm-yy) | | | |
| EMC0306 | Shielding Room | Zhong Yu | 8 x 3 x 3.8 m ³ | N/A | N/A | N/A | | | |
| EMC0102 | LISN | Schaffner Chase | MNZ050D/1 | 1421 | 05-12-2006 | 05-12-2007 | | | |
| EMC0506 | EMI Test Receiver | Rohde & Schwarz | ESCS30 | 100085 | 05-12-2006 | 05-12-2007 | | | |
| EMC0107 | Coaxial Cable | SGS | 2m | N/A | 25-11-2006 | 25-11-2007 | | | |
| EMC0106 | Voltage Probe | SGS | N/A | N/A | N/A | N/A | | | |

| | RE in Chamber/OAT | RE in Chamber/OATS | | | | | | | | |
|---------|-----------------------------------|----------------------|---------------|----------------|-------------------------|----------------------------|--|--|--|--|
| No: | Test Equipment | Manufacturer | Model No. | Serial No. | Cal. Date (dd-mm-yy) | Cal.Due date (dd-mm-yy) | | | | |
| EMC0525 | Compact Semi- Anechoic Chamber | ChangZhou ZhongYu | N/A | N/A | 06-03-2007 | 06-03-2008 | | | | |
| EMC0522 | EMI Test Receiver | Rohde & Schwarz | ESIB26 | 100249 | 05-12-2006 | 05-12-2007 | | | | |
| N/A | EMI Test Software | Audix | E3 | N/A | N/A | N/A | | | | |
| EMC0514 | Coaxial cable | SGS | N/A | N/A | 04-12-2006 | 04-12-2007 | | | | |
| EMC0524 | Bi-log Type Antenna | Schaffner -Chase | CBL6112B | 2966 | 12-08-2007 | 12-08-2008 | | | | |
| EMC0519 | Bilog Type Antenna | Schaffner -Chase | CBL6143 | 5070 | 12-08-2007 | 12-08-2008 | | | | |
| EMC0517 | Horn Antenna | Rohde & Schwarz | HF906 | 100095 | 12-08-2007 | 12-08-2008 | | | | |
| EMC0040 | Spectrum Analyzer | Rohde & Schwarz | FSP30 | 100324 | 05-12-2006 | 05-12-2007 | | | | |
| EMC0520 | 0.1-1300 MHz Pre-Amplifier | HP | 8447D OPT 010 | 2944A0625 2 | 28-03-2007 | 28-03-2008 | | | | |
| EMC0521 | 1-26.5 GHz Pre-Amplifier | Agilent | 8449B | 3008A0164 9 | 28-03-2007 | 28-03-2008 | | | | |
| EMC0523 | Active Loop Antenna | EMCO | 6502 | 00042963 | 09-08-2006 | 09-08-2008 | | | | |
| EMC0530 | 10m Semi- Anechoic Chamber | ETS | N/A | N/A | 22-08-2006 | 22-08-2007 | | | | |

| | General used equipment | | | | | | | |
|---------------------|-------------------------|----------------------|-----------|------------|-------------------------|-------------------------|--|--|
| No: | Test Equipment | Manufacturer | Model No. | Serial No. | Cal. Date (dd-mm-yy) | Cal.Due date (dd-mm-yy) | | |
| EMC0050- EMC0053 | Temperature, & Humidity | ZHENGZHOU BO YANG | WSB | N/A | 05-12-2006 | 05-12-2007 | | |
| EMC0054 | Temperature, & Humidity | Shenzhen Tai Kong | THG-1 | N/A | 04-01-2007 | 04-01-2008 | | |
| EMC0006 | DMM | Fluke | 73 | 70681569 | 27-09-2007 | 27-09-2008 | | |
| EMC0007 | DMM | Fluke | 73 | 70671122 | 27-09-2007 | 27-09-2008 | | |



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6 Test Results

6.1 Radiated Emission, 9kHz to 30MHz

Test Requirement: FCC Part18

Test Method: FCC OST/ MP-5

Test Date: 12 October 2007

Frequency Range: 9KHz to 30MHz

Limit: 18.305 Table b

Measurement distance: 10m

Detector: Peak for pre-scan, Average for the final result

(200Hz Resolution Bandwidth for 9KHz to 150KHz, 9kHz Resolution

Bandwidth for 150KHz to 30MHz)

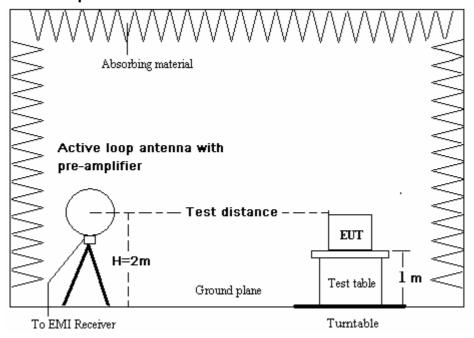
6.1.1 E.U.T. Operation

Operating Environment:

Temperature: 25.0 °C Humidity: 52 % RH Atmospheric Pressure: 1008 mbar

EUT Operation: Test the EUT in heating mode.

6.1.2 Test Setup





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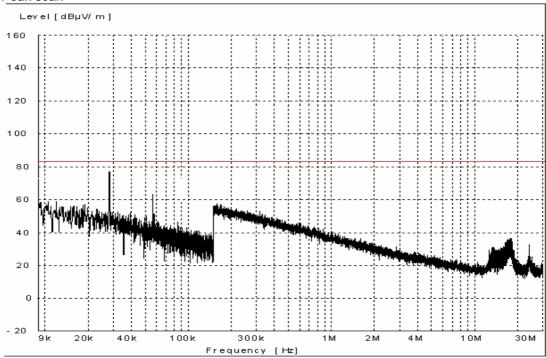
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6.1.3 Measurement Data

An initial pre-scan was performed in the 3m chamber using the spectrum analyser in peak detection mode. Average measurements were conducted based on the peak sweep graph. The EUT was measured by a loop antenna.

The following average measurements were performed on the EUT on 12 October 2007. Vertical:

Peak scan



Quasi-peak measurement

| Frequency | Transducer Receiver QP QP Level | | | Limit | Margin |
|-----------|---------------------------------|--------|--------|--------|--------|
| (MHz) | (dB) | (dBµV) | (dBµV) | (dBµV) | (dB) |
| 0.028 | 14.0 | 58.0 | 72.0 | 82.5 | 10.5 |
| 0.056 | 12.1 | 41.2 | 53.3 | 82.5 | 29.2 |
| 0.158 | 12.0 | 31.2 | 43.2 | 82.5 | 39.3 |
| 17.800 | 10.8 | 22.8 | 33.6 | 82.5 | 48.9 |
| 24.000 | 10.0 | 30.1 | 40.1 | 82.5 | 42.4 |

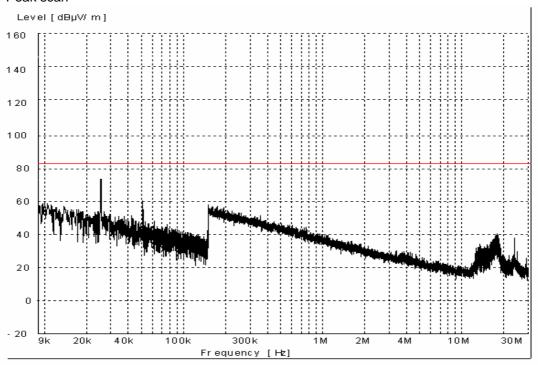


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Horizontal:

Peak scan



Quasi-peak measurement

| Frequency (MHz) | Transducer | Receiver QP Reading (dBµV) | QP Level (dBµV) | Limit (dBµV) | Margin (dB) |
|--------------------|------------|-------------------------------------|-----------------------|-----------------|----------------|
| 0.025 | 14.3 | 34.5 | 48.8 | 82.5 | 33.7 |
| 0.051 | 12.2 | 34.1 | 46.3 | 82.5 | 36.2 |
| 17.912 | 10.8 | 25.1 | 35.9 | 82.5 | 46.6 |
| 24.000 | 10.0 | 28.0 | 38.0 | 82.5 | 44.5 |
| 25.237 | 9.8 | 16.4 | 26.2 | 82.5 | 56.3 |

Level = Read Level + Antenna Factor + Cable Loss - Preamp gain.



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6.2 Conducted Emissions, 9KHz to 30MHz

Test Requirement: FCC Part18

Test Method: FCC OST/ MP-5
Test Date: 11 October 2007
Frequency Range: 9KHz to 30MHz

Class: 18.307(a)

Detector: Peak for pre-scan, Quasi-Peak and Average for the final result.

(200Hz Resolution Bandwidth for 9KHz to 150KHz, 9kHz Resolution

Bandwidth for 150KHz to 30MHz)

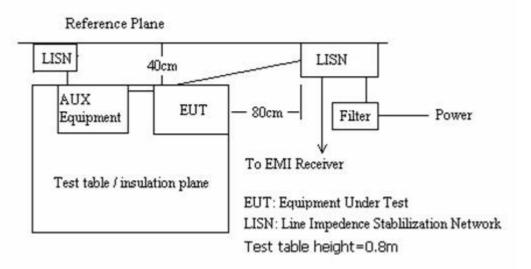
6.2.1 E.U.T. Operation

Operating Environment:

Temperature: 25.0 °C Humidity: 52 % RH Atmospheric Pressure: 1008 mbar

EUT Operation: Test the EUT in heating mode.

6.2.2 Plan View of Test Setup





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6.2.3 Measurement Data

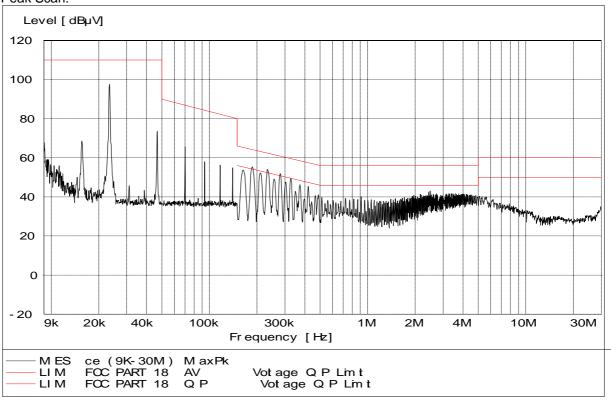
An initial pre-scan was performed on the live and neutral lines with peak detector.

Quasi-Peak and Average measurement were performed at the frequencies with maximized peak emission were detected.

The following quasi-peak and average measurements were performed on the EUT on 11 October 2007.

Live Line:

Peak Scan:



Quasi-peak and Average measurement:

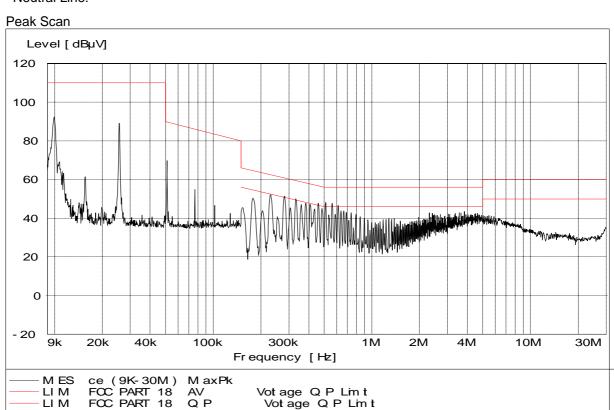
| Frequency | Transducer | Receiver QP Reading | QP Level | Limit | Margin | Receiver AV Reading | AV Level | Limit | Margin |
|-----------|------------|---------------------------|-------------|--------|--------|---------------------------|-------------|--------|--------|
| (MHz) | (dB) | (dBµV) | (dBµV) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dBµV) | (dB) |
| 0.187 | 0.1 | 53.3 | 53.4 | 64.1 | 10.7 | 50.2 | 50.3 | 54.1 | 3.8 |
| 0.210 | 0.1 | 49.9 | 50.0 | 63.2 | 13.2 | 47.0 | 47.1 | 53.2 | 6.1 |
| 0.234 | 0.1 | 51.8 | 51.9 | 62.3 | 10.4 | 48.5 | 48.6 | 52.3 | 3.7 |
| 0.264 | 0.2 | 52.7 | 52.9 | 61.3 | 8.4 | 47.7 | 47.9 | 51.3 | 3.4 |
| 0.280 | 0.0 | 50.5 | 50.5 | 60.8 | 10.3 | 47.3 | 47.3 | 50.8 | 3.5 |
| 0.327 | 0.0 | 52.1 | 52.1 | 59.5 | 7.4 | 40.9 | 40.9 | 49.5 | 8.6 |



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Neutral Line:



Quasi-peak and Average measurement:

| Frequency | Transducer | Receiver QP Reading | QP Level | Limit | Margin | Receiver AV Reading | AV Level | Limit | Margin |
|-----------|------------|---------------------------|-------------|--------|--------|---------------------------|-------------|--------|--------|
| (MHz) | (dB) | (dBµV) | (dBµV) | (dBµV) | (dB) | (dBµV) | (dBµV) | (dBµV) | (dB) |
| 0.281 | 0.0 | 50.1 | 50.1 | 60.8 | 10.7 | 47.5 | 47.5 | 50.8 | 3.3 |
| 0.332 | 0.0 | 48.6 | 48.6 | 59.4 | 10.8 | 45.5 | 45.5 | 49.4 | 3.9 |
| 0.461 | 0.0 | 44.7 | 44.7 | 56.7 | 12.0 | 41.5 | 41.5 | 46.7 | 5.2 |
| 0.511 | -0.1 | 45.6 | 45.5 | 56.0 | 10.5 | 41.9 | 41.8 | 46.0 | 4.2 |
| 0.562 | -0.1 | 45.4 | 45.3 | 56.0 | 10.7 | 41.5 | 41.4 | 46.0 | 4.6 |
| 0.614 | 0.0 | 44.3 | 44.3 | 56.0 | 11.7 | 40.6 | 40.6 | 46.0 | 5.4 |