FCC PART 18 EMI MEASUREMENT AND TEST REPORT

For

Guangdong MD Microwave Oven Manufacturing Co., Ltd

Penglai Road, Beijiao, Shunde, Foshan, Guangdong Province, People's Republic of China

FCC ID: RSFE1028NX-Y

October 28, 2005

This Report Concerns: Equipment Type: Class II permissive change Microwave cooking appliance Lisa Zhu Mansen Mu **Test Engineer:** Hansen Hu **Report Number:** RSZ05091352 **Test Date:** October 25, 2005 Mal) **Reviewed By:** Chris Zeng Bay Area Compliance Lab Corp. (ShenZhen) **Prepared By:** 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone, ShenZhen, Guangdong 518038, P.R.China Tel: +86-755-33320018 Fax: +86-755-33320008

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GENERAL INFORMATION

Product Description for Equipment Under Test (EUT)

The Guangdong MD Microwave Oven Manufacturing Co., Ltd's model: E(A)G028ADK-S1 or the "EUT" as referred to in this report is a Microwave cooking appliance which measures approximately 52cmL x 44cmW x 33cmH, rated input voltage: AC 120 V/60 Hz.

The series products, model E(A)G028AMN-X1(X=S or P; the last letter M and N should be 0-9 or A-Z stand for different appearance), we select E(A)G028ADK-S1 to test. The all model have same circuit diagram, PCB and magnetron.

* The test data gathered are from production sample, serial number: 0509107, provided by the manufacturer, we receive the EUT on 2005-9-13.

Objective

The following test report is prepared on behalf of *Guangdong MD Microwave Oven Manufacturing Co., Ltd* in accordance with Part 2, Subpart J, and Part 18, Subparts A, B and C of the Federal Communication Commissions rules.

The objective of the manufacturer is to determine compliance with FCC Part 18 limits.

This is the C2PC application of the device. The difference between the original device and the current one is as follows:

| | Original Magnetron | New Magnetron |
|--------------|----------------------|-----------------|
| Manufacture: | Panasonic | WITOL |
| Type: | 2M210 | 2M219J |
| | Original Transformer | New Transformer |
| Manufacture: | Welling | YunLu |
| Type: | MD-102AMR-1 | MD-101AMR-1 |
| | Original Barbecue | Add Barbecue |
| Manufacture: | / | Midea |
| Type: | / | / |

For the changes made to the device, conducted, radiated, radiation hazard emission testing was performed.

Related Submittal(s)/Grant(s)

This is a C2PC application. The original application was granted on 2004-12-30.

Test Methodology

All measurements contained in this report were conducted with MP-5, FCC Methods of Measurements of Radio Noise Emissions from ISM Equipment, February 1986. All measurement was performed at Bay Area Compliance Laboratory Corporation. The radiated testing was performed at an antenna-to-EUT distance of 3 meters.

Test Facility

The Test site used by Bay Area Compliance Lab Corp. (ShenZhen) to collect test data is located in the 6/F, the 3rd Phase of WanLi Industrial Building, ShiHua Road, FuTian Free Trade Zone, ShenZhen, Guangdong 518038, P.R.China.

Test site at Bay Area Compliance Lab Corp. (ShenZhen) has been fully described in reports submitted to the Federal Communication Commission (FCC). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on November 04, 2004. The facility also complies with the radiated and AC line conducted test site criteria set forth in ANSI C63.4-2003.

The Federal Communications Commission has the reports on file and is listed under FCC Registration No.: 382179. The test site has been approved by the FCC for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, Bay Area Compliance Lab Corp. (ShenZhen) is a National Institute of Standards and Technology (NIST) accredited laboratory, under the National Voluntary Laboratory Accredited Program (Lab Code 200707-0). The current scope of accreditations can be found at http://ts.nist.gov/ts/htdocs/210/214/scopes/2007070.htm

External Cable List and Details

| Cable Description | Length (M) | From/Port | То |
|--|------------|-----------|----------|
| Unshielded Undetachable AC Power Cable | 1.0 | EUT | AC Power |

OPERATING CONDITION/TEST CONFIGURATION

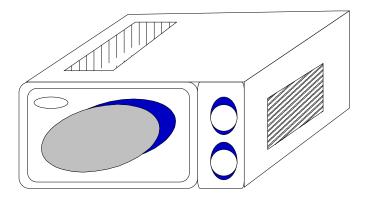
Justification

The EUT was provided for tests as a stand-alone device. It was prepared for testing in accordance with the manufacturer's instructions. The EUT was operated at maximum (continuous) RF output power. The loads consisted of water in a glass beaker in the amounts specified in the test procedure.

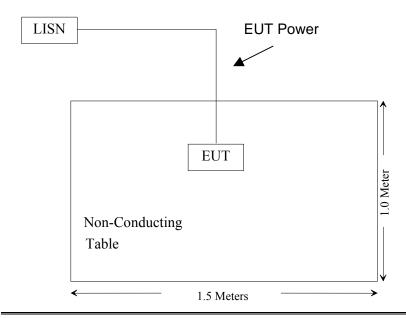
Equipment Modifications

Bay Area Compliance Lab Corp. (ShenZhen) has not done any modification on the EUT.

Configuration of Test Setup



Block Diagram of Test Setup



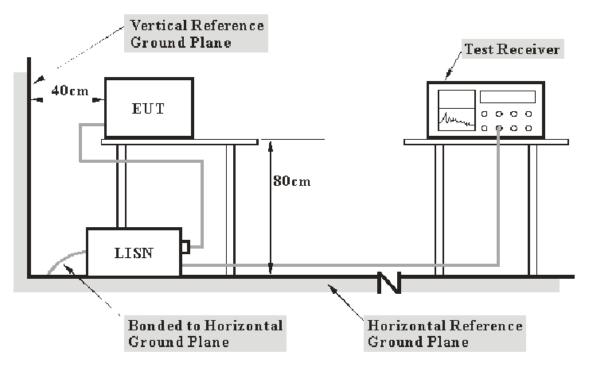
CONDUCTED EMISSION

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, and LISN.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of any conducted emissions measurement at Bay Area Compliance Lab Corp. (ShenZhen) is ± 2.4 dB.

EUT Setup



Note: 1. Support units were connected to second LISN.

2. Both of LISNs (AMIN) 80 cm from EUT and at the least 80 cm from other units and other metal planes support units.

The setup of EUT is according with per MP-5: 1986 measurement procedure. Specification used was with the FCC Part 18.

The EUT was connected to a 120 VAC/ 60Hz power source.

EMI Test Receiver Setup

The EMI test receiver was set to investigate the spectrum from 150 kHz to 30 MHz.

During the conducted emission test, the EMI test receiver was set with the following configurations:

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|--------------------|-------------------|---------|---------------|---------------------|-------------------------|
| Com-Power | L.I.S.N. | LI-200 | 12005 | N/A | N/A |
| Com-Power | L.I.S.N. | LI-200 | 12008 | N/A | N/A |
| Rohde & Schwarz | EMI Test Receiver | ESCS30 | 830245/006 | 2005-1-26 | 2006-1-26 |
| Rohde & Schwarz | L.I.S.N. | ESH2-Z5 | 892107/021 | 2005-2-28 | 2006-2-28 |

^{*} Com-Power's LISN were used as the supporting equipment.

Test Procedure

During the conducted emission test, the EUT power cord was connected to the outlet of the LISN.

Maximizing procedure were performed on the six (6) highest emissions of the EUT.

All data was recorded in the Quasi-peak and average detection mode.

Test Results Summary

According to the recorded data in following table, the EUT complied with the <u>FCC PART 18</u>, with the worst margin reading of:

-5.60 dB at 22.735 MHz in the Line conductor mode.

^{*} Statement of Traceability: Bay Area Compliance Lab Corp. (ShenZhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Test Data

Environmental Conditions

| Temperature: | 25°C |
|--------------------|----------|
| Relative Humidity: | 55% |
| ATM Pressure: | 1002mbar |

The testing was performed by Lisa Zhu on 2005-10-25.

Test Mode: Max Power

| | LINE CON | NDUCTED EMISSIONS | | FCC PA | ART 18 |
|-----------|-----------|-------------------|--------------|--------|--------|
| Frequency | Amplitude | Detector | Phase | Limit | Margin |
| MHz | dΒμV | QP/AV | Line/Neutral | dΒμV | dB |
| 22.735 | 54.40 | QP | Line | 60.00 | -5.60 |
| 19.250 | 50.20 | QP | Line | 60.00 | -9.80 |
| 19.150 | 49.50 | QP | Neutral | 60.00 | -10.50 |
| 17.610 | 48.80 | QP | Neutral | 60.00 | -11.20 |
| 0.820 | 44.40 | QP | Neutral | 56.00 | -11.60 |
| 17.910 | 48.00 | QP | Line | 60.00 | -12.00 |
| 0.150 | 53.90 | QP | Line | 66.00 | -12.10 |
| 0.175 | 51.40 | QP | Line | 64.72 | -13.32 |
| 0.215 | 49.20 | QP | Neutral | 63.01 | -13.81 |
| 19.150 | 34.90 | AV | Neutral | 50.00 | -15.10 |
| 0.160 | 50.20 | QP | Neutral | 65.46 | -15.26 |
| 17.610 | 34.70 | AV | Neutral | 50.00 | -15.30 |
| 19.250 | 34.00 | AV | Line | 50.00 | -16.00 |
| 12.550 | 42.70 | QP | Neutral | 60.00 | -17.30 |
| 17.910 | 32.20 | AV | Line | 50.00 | -17.80 |
| 12.525 | 40.40 | QP | Line | 60.00 | -19.60 |
| 12.525 | 29.10 | AV | Line | 50.00 | -20.90 |
| 12.550 | 26.50 | AV | Neutral | 50.00 | -23.50 |
| 22.735 | 17.10 | AV | Line | 50.00 | -32.90 |
| 0.820 | 12.00 | AV | Neutral | 46.00 | -34.00 |
| 0.160 | 21.40 | AV | Neutral | 55.46 | -34.06 |
| 0.175 | 20.40 | AV | Line | 54.72 | -34.32 |
| 0.215 | 18.00 | AV | Neutral | 53.01 | -35.01 |
| 0.150 | 20.80 | AV | Line | 56.00 | -35.20 |

Plot(s) of Test Data

Plot(s) of Test Data is presented hereinafter as reference.

Conducted emission Test FCC Part 18

EUT: N/M:E(A)G028AMN-X1

Manuf: MD

Op Cond: Max power

Operator: Lisa

Test Spec: AC 120V/60Hz L

Comment: Temp:25

Humi:55%

Date: 25, Oct 05 13:40

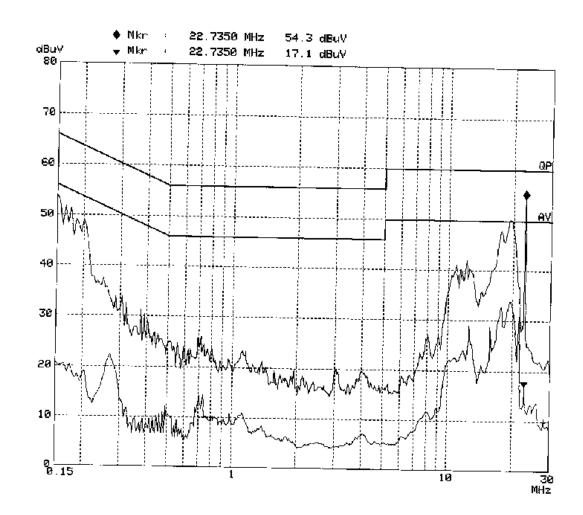
Scan Settings (1 Range)

Start Stop Step IF BW Detector M-Time Atten Preamp
150k 30M 5k 9k PK+AV 20ms AUTO LN OFF

Transducer No. Start Stop Name
1 9k 30M FACTOR

Final Measurement: x QP / + AV

Meas Time: 1 s Subranges: 25 Acc Margin: 6dB



Conducted emission Test FCC Part 18

EUT: N/M:E(A)G028AMN-X1

Manuf: MD

Op Cond: Max power

Operator: Lisa

Test Spec: AC 120V/60Hz N

Comment: Temp: 25

Humi:55%

Date: 25, Oct 05 13:59

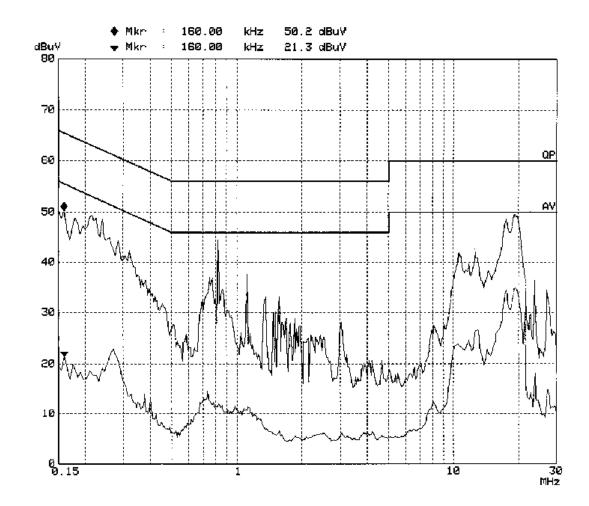
Scan Settings (1 Range)

Start Stop Step IF BW Detector M-Time Atten Preamp 150k 30M 5k 9k PK+AV 20ms AUTO LN OFF

Transducer No. Start Stop Name
1 9k 30M FACTOR

Final Measurement: x QP / + AV

Meas Time: 1 s Subranges: 25 Acc Margin: 6dB



RADIATION HAZARD MEASUREMENT

Environmental Conditions

| Temperature: | 26°C |
|--------------------|----------|
| Relative Humidity: | 54% |
| ATM Pressure: | 1000mbar |

Test Equipment List and Details

| Manufacturer | Description | Model | Serial Number | Calibration Date | Calibration Due Date |
|-----------------|------------------------|---------|---------------|---------------------|-------------------------|
| Rohde & Schwarz | EMI Test Receiver | ESCI | 100028 | 2005-8-17 | 2006-8-17 |
| Sunol Sciences | Horn Antenna | DRH-118 | A052604 | 2005-7-20 | 2006-7-20 |
| HP | Preamplifier | 8449B | 3008A00277 | 2005-8-17 | 2006-8-17 |
| Ainuo | Digital Power Analyzer | 8732B | 028706117 | 2004-12-23 | 2005-12-23 |
| HY | AC Power Source | 9020117 | GY053(1) | 2005-8-21 | 2006-8-21 |
| Holday | Leakage Meter | HI-1710 | 05/2731 | 2005-6-2 | 2006-6-2 |

^{*} **Statement of Traceability:** Bay Area Compliance Lab Corp. (ShenZhen) attests that all calibrations have been performed in accordance to NVLAP requirements, traceable to the NIST.

Radiation Hazard Measurement

Radiation leakage was measured in the as-received condition with the oven door closed using a microwave leakage meter.

A 1000ml water load was placed in the center of the oven and the oven was operated at maximum output power.

There was no microwave leakage exceeding a power level of 0.69mW/cm² observed at any point 5cm or more from the external surface of the oven.

A maximum of 1.0mW/cm² is allowed in accordance with the applicable Federal Standards. Hence, microwave leakage in the as-received condition with the oven door closed was below the maximum allowed.

Input Power

Input power and current was measured using a power analyzer. A1000ml water load was placed in the center of the oven and the oven was operated at maximum output power. A 1000ml water load was chosen for its compatibility with the procedure commonly used by manufacturers to determine their input ratings.

| Input Voltage (Vac/Hz) | Input Current (amps) | Measured Input Power (watts) | Rated Input Power (watts) |
|---------------------------|----------------------|------------------------------|---------------------------|
| 120/60 | 13.29 | 1395 | 1450 |

Based on the measured input power, the EUT was found to be operating within the intended specifications.

Load for Microwave cooking appliances

For all measurements, the energy developed by the oven was absorbed by a dummy load consisting of a quantity of tap water in a beaker. If the oven was provided with a shelf or other utensil support, this support was in its initial normal position. For ovens rated at 1000 watts or less power output, the beaker contained quantities of water as listed in the following subparagraphs. For ovens rated at more than 1000watts output, each quantity was increased by 50% for each 500watts or fraction thereof in excess of 1000watts. Additional beakers were used if necessary.

- Load for power output measurement: 1000 milliliters of water in the beaker located in the center of the oven.
- Load for frequency measurement: 1000 milliliters of water in the beaker located in the center of the oven.
- Load for measurement of radiation on second and third harmonic: Two loads, one of 700 and the other of 300 milliliters, of water are used. Each load is tested both with the beaker located in the center of the oven and with it in the right front corner.

The RF output power is rated at 1000 W

Load used for power output measurement = 1000 milliliters of water Load used for frequency measurement = 1000 milliliters of water Load used for harmonic measurement = 700 & 300 milliliters of water Load used for other measurement = 700 milliliters of water

RF Output Power Measurement

The Caloric Method was used to determine maximum RF output power. The initial temperature of the water load was measured. The water load was placed in the center of the oven. The oven was operated at maximum output power for 200 seconds, the temperature of the water was re-measured.

| Quality of Water (ml) | Starting Temperature (°C) | Final Temperature (°C) | Elapsed Time (Seconds) |
|-----------------------|---------------------------|------------------------|---------------------------|
| 1000 | 26 | 76 | 200 |

Power = (4.2 joules/calorie)(volume in milliliters)(temperature rise)/(time is seconds)

Power = 4.2 joules/calorie x 1000 x (76-26) / 200

Power = 1050 watts

The measurement output power was found to be less than 500watts. Therefore, in accordance with Section 18.305 of Subpart-C, the measured out-of-band emissions were compared to the limit of $25\mu V/meter$ at a 300-meter measurement distance.

 \boxtimes

The measured output power was found to exceed 500watts. Therefore, in accordance with Section 18.305 of Subpart-C, the measured out-of-band emissions were compared with the limit calculated as following:

LFS = 25*SQRT(Power Output/500)

LFS = 25 * SQRT(1050/500)

LFS ≈ 36.22

Where: LFS is the maximum allowable field strength for out-of-band emissions in $\mu V/meter$ at a 300-meter measurement distance. Power Output is the measured output power in watts.

| Manufacturer | Model Number | LFS | dB(μV/M) | dB(μV/M)®3m |
|--|----------------|-------|----------|-------------|
| Guangdong MD Microwave Oven Manufacturing Co., Ltd | E(A)G028ADK-S1 | 36.22 | 31.18 | 71.18 |

Operating Frequency Measurement

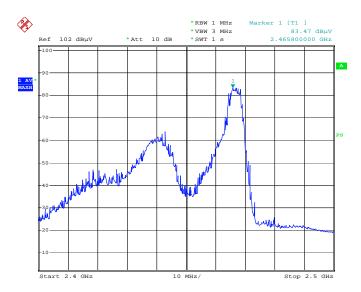
Variation in Operating Frequency with Time

The operating frequency was measured using a spectrum analyzer. Starting with the EUT at room temperature, a 1000ml water load was placed in the center of the oven and the oven was operated at maximum output power. The fundamental operating frequency was monitored until the water load was reduced to 20 percent of the original load.

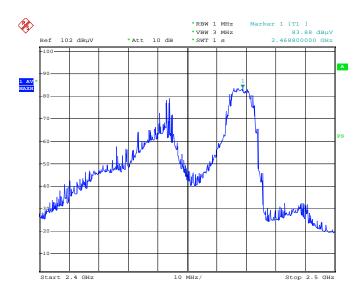
The results of this test are as follows:

| Manufacturer | Model Number | Minimum Frequency (MHz) | Maximum Frequency (MHz) |
|---|----------------|----------------------------|----------------------------|
| Guangdong MD Microwave Oven Manufacturing Co., Ltd | E(A)G028ADK-S1 | 2465 | 2468 |

Refer to data pages for details of the variation in operating frequency with time measurement.



frequence VS time
Date: 25.OCT.2005 11:31:55



frequence VS time
Date: 25.OCT.2005 11:55:17

Variation in Operating Frequency with Line Voltage

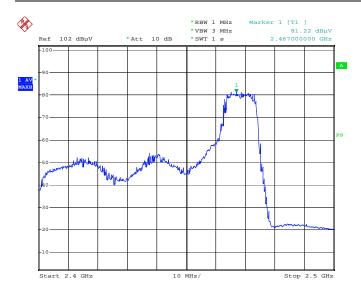
The EUT was operated / warmed by at least 10 minutes of use with a 1000ml water load at room temperature at the beginning of the test. Then the operating frequency was monitored as the input voltage was varied between 80 and 125 percent of the nominal rating.

The results of this test are as follows:

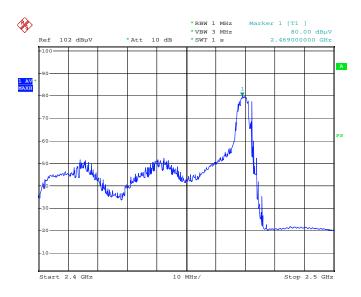
Line voltage varied from 96Vac to 150Vac.

| Manufacturer | Model Number | Minimum Frequency (MHz) | Maximum Frequency (MHz) | |
|---|----------------|----------------------------|----------------------------|--|
| Guangdong MD Microwave Oven Manufacturing Co., Ltd | E(A)G028ADK-S1 | 2467 | 2469 | |

Please refer to following pages for details of the variation in operating frequency with line voltage measurement.



frequence VS voltage
Date: 25.OCT.2005 12:25:55



frequence VS voltage
Date: 25.OCT.2005 12:04:13

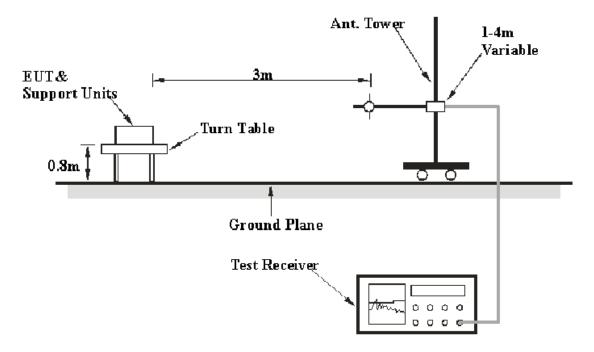
RADIATED EMISSION DATA

Measurement Uncertainty

All measurements involve certain levels of uncertainties, especially in field of EMC. The factors contributing to uncertainties are spectrum analyzer, cable loss, antenna factor calibration, antenna directivity, antenna factor variation with height, antenna phase center variation, antenna factor frequency interpolation, measurement distance variation, site imperfections, mismatch (average), and system repeatability.

Based on NIS 81, The Treatment of Uncertainty in EMC Measurements, the best estimate of the uncertainty of a radiation emissions measurement at Bay Area Compliance Lab Corp. (ShenZhen) is ± 4.0 dB.

EUT Setup



The radiated emission tests were performed in the 3 meters chamber B test site, using the setup accordance with the FCC MP - 5. The specification used was the FCC part 18.

The EUT was connected to 120 VAC/60 Hz power source.

EMI Test Receiver Setup and Spectrum Analyzer

The system was investigated from 30 MHz to 25 GHz.

During the radiated emission test, the spectrum analyzer was set with the following configurations:

| Frequency Range | R B/W | Video B/W | IF B/W | | |
|-----------------|---------|-----------|---------|--|--|
| 30 - 1000 MHz | 100 kHz | 300 kHz | 120 kHz | | |
| Above 1000 MHz | 1 MHz | 10 Hz | | | |

Test Equipment List and Details

| Manufacturer | Description | Model Serial Number | | Calibration Date | Calibration Due Date |
|-----------------|-------------------|---------------------|------------|---------------------|-------------------------|
| Rohde & Schwarz | EMI Test Receiver | ESCI | 100028 | 2005-8-17 | 2006-8-17 |
| HP | Amplifier | HP8447E | 1937A01046 | 2005-8-17 | 2006-8-17 |
| Rohde & Schwarz | Spectrum Analyzer | FSEM30 | 849720/019 | 2004-11-10 | 2005-11-10 |
| Sunol Sciences | Broadband Antenna | JB1 | A040904-2 | 2005-4-28 | 2006-4-28 |
| Sunol Sciences | Horn Antenna | DRH-118 | A052604 | 2005-7-20 | 2006-7-20 |
| HP | Preamplifier | 8449B | 3008A00277 | 2005-8-17 | 2006-8-17 |

^{*} **Statement of Traceability:** Bay Area Compliance Lab Corp. (ShenZhen) attests that all calibrations have been performed per the NVLAP requirements, traceable to NIST.

Test Procedure

For the radiated emissions test, the EUT power cord was connected to the AC floor outlet.

Maximizing procedure was performed on the six (6) highest emissions to ensure that the EUT complied with all installation combinations.

All data was recorded in the Quasi-peak detection mode. from 30 MHz to 1000 MHz, and average detection mode above 1 GHz.

The EUT was in the normal (naïve) operating mode during the final qualification test to represent the worst results.

Corrected Amplitude & Margin Calculation

The Corrected Amplitude is calculated by adding the Antenna Loss and Cable Loss, and subtracting the Amplifier Gain from the Meter Reading. The basic equation is as follows:

Corr. Ampl. = Meter Reading + Antenna Loss + Cable Loss - Amplifier Gain

The "**Margin**" column of the following data tables indicates the degree of compliance with the applicable limit. For example, a margin of -7dB means the emission is 7dB below the limit. The equation for margin calculation is as follows:

Margin = Corr. Ampl. –Limit

Test Results Summary

According to the data in the following table, the EUT complied with the FCC Part 18, with the worst margin reading of:

30MHz to 1000MHz: **-28.7 dB** at **656.52 MHz** in the **Vertical** polarization. Above 1 GHz: **-4.09 dB** at **4931.5 MHz** in the **Vertical** polarization.

Test Data

Environmental Conditions

| Temperature: | 27°C |
|--------------------|----------|
| Relative Humidity: | 56% |
| ATM Pressure: | 1005mbar |

The testing was performed by Hansen Hu on 2005-10-25.

Test Mode: Max Power

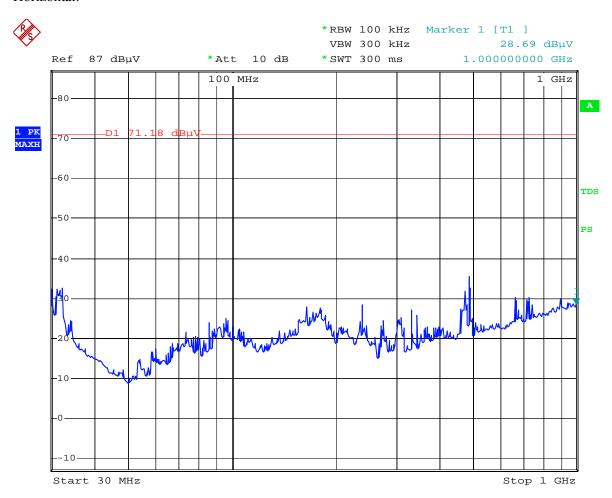
| Indica | INDICATED TABLE ANTENNA CORRE | | ECTION FACTOR | | CORRECTED AMPLITUDE | FCC PART 18 | | | | |
|-----------|-------------------------------|--------|---------------|-------|---------------------|---------------|-------------------|-------------|--------|--------|
| Frequency | Meter Reading | Angle | Height | Polar | Antenna Loss | Cable Loss | Amplifier Gain | Corr. Ampl. | Limit | Margin |
| MHz | dBμV/m | Degree | Meter | H/ V | dB | dB | dB | dBμV/m | dBμV/m | dB |
| | | | | 30 MI | Iz to 1000 |) MHz | | | | |
| 656.52 | 47.8 | 60 | 1.0 | V | 20.3 | 2.9 | 28.5 | 42.5 | 71.18 | -28.7 |
| 32.17 | 43.8 | 90 | 1.0 | V | 24.1 | 0.6 | 28.8 | 39.6 | 71.18 | -31.6 |
| 30.42 | 42.5 | 180 | 1.2 | V | 24.1 | 0.6 | 28.8 | 38.3 | 71.18 | -32.9 |
| 729.35 | 41.7 | 45 | 1.2 | V | 20.7 | 3.1 | 28.4 | 37.1 | 71.18 | -34.1 |
| 489.02 | 43.7 | 90 | 1.2 | Н | 17.9 | 2.3 | 28.5 | 35.4 | 71.18 | -35.8 |
| 100.22 | 52.8 | 60 | 1.0 | V | 9.6 | 1.0 | 28.5 | 34.9 | 71.18 | -36.3 |
| 32.179 | 36.6 | 45 | 1.0 | Η | 24.1 | 0.6 | 28.8 | 32.5 | 71.18 | -38.7 |
| 31.03 | 36.5 | 45 | 1.2 | Ι | 24.1 | 0.6 | 28.8 | 32.3 | 71.18 | -38.9 |
| 475.49 | 40.2 | 45 | 1.2 | Ι | 17.6 | 2.3 | 28.4 | 31.7 | 71.18 | -39.5 |
| 147.40 | 44.7 | 60 | 1.2 | V | 13.4 | 1.1 | 28.5 | 30.7 | 71.18 | -40.5 |
| 239.14 | 43.0 | 270 | 1.0 | Н | 11.9 | 1.3 | 27.7 | 28.5 | 71.18 | -42.7 |
| 164.90 | 42.2 | 60 | 1.2 | Н | 12.7 | 1.1 | 28.3 | 27.7 | 71.18 | -43.5 |

| INDICA | ATED | TABLE | Ante | ENNA | CORRECTION FACTOR | | CORRECTED AMPLITUDE FCC PART 18 | | | | |
|-----------|------------------|--------|--------|-------|-------------------|---------------|---------------------------------|-------------|--------|--------|-------------|
| Frequency | Meter Reading | Angle | Height | Polar | Antenna Loss | Cable Loss | Amplifier Gain | Corr. Ampl. | Limit | Margin | COMMENTS |
| MHz | dBμV/m | Degree | Meter | H/V | dB | dB | dB | dBμV/m | dBμV/m | dB | |
| | | | | A | bove 1 GF | łz | | | | | |
| 4931.50 | 61.09 | 180 | 1.2 | V | 33.8 | 5.2 | 33.00 | 67.09 | 71.18 | -4.09 | Harmonic |
| 7375.40 | 57.48 | 45 | 1.0 | V | 35.8 | 6.1 | 34.11 | 65.27 | 71.18 | -5.91 | Harmonic |
| 4931.40 | 58.25 | 45 | 1.2 | Н | 33.8 | 5.2 | 33.00 | 64.25 | 71.18 | -6.93 | Harmonic |
| 7393.08 | 53.12 | 60 | 1.0 | Н | 35.8 | 6.1 | 34.11 | 60.91 | 71.18 | -10.27 | Harmonic |
| 9852.30 | 42.72 | 60 | 1.0 | V | 37.6 | 7.3 | 34.50 | 53.12 | 71.18 | -18.06 | Harmonic |
| 9853.90 | 42.18 | 180 | 1.2 | Н | 37.6 | 7.3 | 34.50 | 52.58 | 71.18 | -18.60 | Harmonic |
| 12318.70 | 31.80 | 45 | 1.2 | Н | 41.2 | 8.3 | 34.58 | 46.72 | 71.18 | -24.46 | Harmonic |
| 13320.70 | 31.54 | 45 | 1.2 | V | 39.4 | 8.6 | 33.17 | 46.37 | 71.18 | -24.81 | Harmonic |
| 8388.70 | 35.24 | 180 | 1.2 | V | 36.7 | 6.5 | 35.35 | 43.09 | 71.18 | -28.09 | Spurious |
| 8565.10 | 34.30 | 60 | 1.0 | Н | 36.7 | 6.5 | 35.35 | 42.15 | 71.18 | -29.03 | Spurious |
| 1168.30 | 37.96 | 45 | 1.0 | V | 31.7 | 4.2 | 36.33 | 37.53 | 71.18 | -33.65 | Spurious |
| 1168.30 | 37.14 | 45 | 1.0 | Н | 32.0 | 4.2 | 36.33 | 37.01 | 71.18 | -34.17 | Spurious |
| 2467.40 | 90.24 | 45 | 1.0 | V | 28.1 | 3.7 | 0.00 | 122.04 | | | Fundamental |
| 2469.04 | 89.67 | 180 | 1.2 | Н | 28.1 | 3.7 | 0.00 | 121.47 | | | Fundamental |

Plot(s) of Test Data

Plot(s) of test data is presented hereinafter as reference.

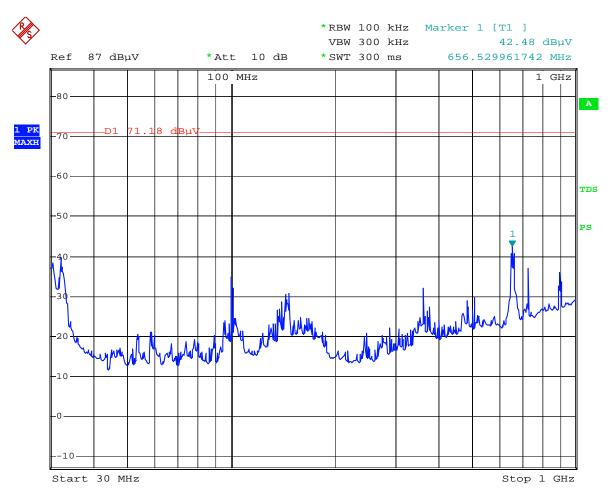
Horizontal:



MD microwave cooking appliance E(A)G028AMN-X1 horizontal

Date: 25.OCT.2005 16:43:15

Vertical:



MD microwave cooking appliance E(A)G028AMN-X1 vertical

Date: 25.OCT.2005 16:31:35