

FCC CLASS II PERMISSION CHANGE TEST REPORT

On Model Name: Microwave Oven

Model Numbers: XM925AYY, XM925AYY-P1,

XM925AYY-P2

Brand Name: Midea

FCC ID Number: RSFXM925AYY

Prepared for Guangdong Midea Microwave and Electrical

Appliances Manufacturing Co.,Ltd

According to

FCC Part 18(2010)

Industrial, Scientific and Medical Equipment

FCC/OST MP-5(1986)

FCC methods of measurements of radio noise emission from industrial, scientific and medical equipment

Test Report#: GUA-1201-10775-FCC

Prepared by: Sewen Guo
Reviewed by: Jawen Yin
QC Manager: Swall Zhang

Test Report Released by: Swell Zhang

February 15, 2012

Date

Test Location

Tests performed in a Certified ANSI Semi-Anechoic Chamber and Shielded Room.

Test Site Location : GD WITOL VACUUM ELECTRONIC EMC

TEST LABORATORY

BeiJiao, ShunDe, FoShan, Guang Dong,

528311, China

Tel : (86)-757-26326917

Fax : (86)-757- 22607341

Test Facility

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

FCC - Registration No.: 910385

GD WITOL VACUUM ELECTRONIC EMC TEST LABORATORY has been registered and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC was maintained in our files.

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List Attached Files

Exhibit Type File Description		File Name
Test Report	Test Report	RSFXM925AYY _Test Report_rev01.pdf
Operation Description	Technical Description	RSFXM925AYY _Operation Description.pdf
External Photos	External Photos	RSFXM925AYY _External Photos
Internal Photos	Internal Photos	RSFXM925AYY _Internal Photos
Block Diagram	Block Diagram	RSFXM925AYY _Block Diagram.pdf
Schematics	Circuit Diagram	RSFXM925AYY _Schematics.pdf
ID Label/Location	Label and Location	RSFXM925AYY _Label & Location.pdf
User Manual	User Manual	RSFXM925AYY _User's Manual.pdf
Test set-up photos	Test set-up photos	RSFXM925AYY _Test Set-up Photos

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Opinions and Interpretations

This test report relates to the abovementioned equipment under test (EUT). Without the permission of ECMG Electronic Technical Testing Corp (Shenzhen) Test Lab this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any test mark on this or similar products. The manufacturer has sole responsibility of continued compliance of the device.

Statement of Measurement Uncertainty

The data and results referenced in the document are true and accurate. The reader is cautioned that there may be errors within the calibration limits of the equipment and facilities that can account for a nominal measurement error. Furthermore, component and process variability of devices similar to that tested may result in additional deviation.

Administrative Data

Test Sample : Microwave Oven

Model Numbers : XM925AYY, XM925AYY-P1, XM925AYY-P2

Model Tested : EM925AYY-P1

Midea Brand Name

Receipt Date : February 1, 2012

: February 2, 2012 to February 7, 2012 Date Tested

Applicant : Guangdong Midea Microwave and Electrical

Appliances Manufacturing Co.,Ltd

Address No.6, Yong An Road, Beijiao, Shunde, Foshan.

Telephone : (86)-757-23606480

Fax : (86)-757-22607341

Manufacturer : Guangdong Midea Microwave and Electrical

Appliances Manufacturing Co.,Ltd

Address No.6, Yong An Road, Beijiao, Shunde, Foshan.

Telephone : (86)-757-23606480

Fax : (86)-757-22607341

Factory : Guangdong Midea Microwave and Electrical

Appliances Manufacturing Co.,Ltd

Address No.6, Yong An Road, Beijiao, Shunde, Foshan.

Telephone : (86)-757-23606480

Fax : (86)-757-22607341

EUT Description

Guangdong Midea Microwave and Electrical Appliances Manufacturing Co.,Ltd., model tested EM925AYY-P1 (referred to as the EUT in this report) is a Microwave Oven.

The technical specifications of EUT are as below:

Power Supply	120V AC/60Hz
Rated Input Power (Microwave)	1350W
Rated Output Power (Microwave)	900W
Frequency	2450 MHz(Class B/Group 2)
Magnetron Model	2M219J
Magnetron Manufacturer	WITOL

NOTE: For more detailed informations or features please refer to user's manual of EUT.

EUT Model Derived

XM925AYY-P1 model designations as follow:

X=E or A;

M: indicate microwave function;

925: "9" indicate the microwave output power is 900W, "25" indicate cavity capacity is 25 liters;

A: indicate the design No.;

YY= 0-9 or A-Z, indicate different appearance;

P1: indicate with magnetron thermostat.

Model of EM925AYY was selected for the final testing.

Model of XM925AYY-P2 is identical to XM925AYY-P1 except for model name.

Test Summary

The electromagnetic compatibility requirements on model EM925AYY-P1 for this test are stated below. all results listed in this report relate exclusively to this above-mentioned model as the equipment under test. this report confers no approval or endorsement upon any other component, host or subsystem used in the test set-up.

Emission Tests					
Specifications	Description	Test Results	Test Point	Remark	
FCC Part 18:2010 FCC/OST MP-5:1986 ANSI C63.4-2009	Radiation Hazard Measurement	Passed	Enclosure	Attachment 1	
FCC Part 18:2010 FCC/OST MP-5:1986 ANSI C63.4-2009	Input Power Measurement	Passed	AC Input Port	Attachment 2	
FCC Part 18:2010 FCC/OST MP-5:1986 ANSI C63.4-2009	RF Output power Measurement	Passed	EUT	Attachment 3	
FCC Part 18:2010 FCC/OST MP-5:1986 ANSI C63.4-2009	Operating Frequency Measurement	Passed	EUT	Attachment 4	
FCC Part 18:2010 FCC/OST MP-5:1986 ANSI C63.4-2009	Conducted Emission	Passed	AC Input Port	Attachment 5	
FCC Part 18:2010 FCC/OST MP-5:1986 ANSI C63.4-2009	Radiated Emission	Passed	Enclosure	Attachment 6	

Load for Microwave Oven

For all measurements the energy developed by the oven was absorbed by a dummy load consisting of a quantity of tag 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 1000watts 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 1000 watts. 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.
- -Load for all other measurements: 700 milliliters of water, with the beaker located in the center of the oven.

EUT Exercise Software

No test sofware support this test.

Equipment Modification

Any modifications installed previous to testing by Guangdong Midea Microwave and Electrical Appliances Manufacturing Co.,Ltd., will be incorporated in each production model sold or leased in United States.

There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen).

EUT Sample Photos for Model EM925AYY-P1



EUT Front View

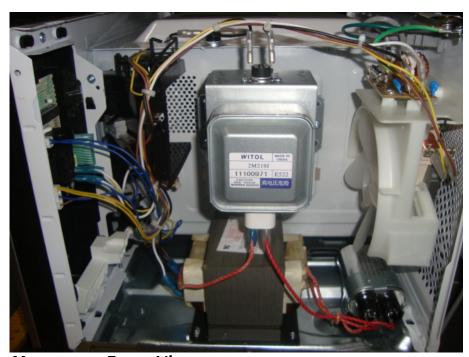


Door Opend View

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EUT Uncovered View



Magnetron Front View

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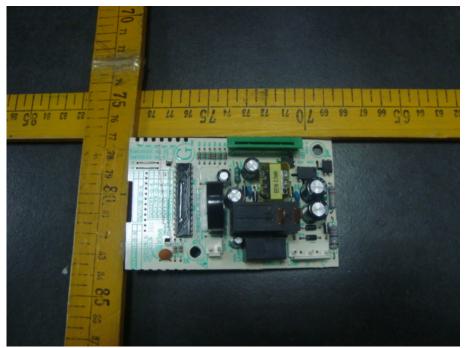


Power Filter Board Top View



Power Filter Board Bottom View

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Motherboard- Top View



Motherboard- Bottom View

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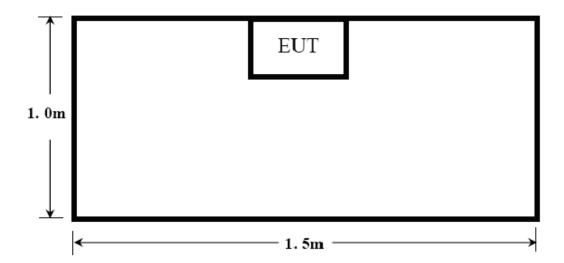
Test System Details

			EUT				
Model Number: XM925AYY, XM925AYY-P1, XM925AYY-P2							
Model Tested:	EM92	25AYY-P1					
Description:	Micro	wave Oven					
Input:	AC 1.	20V/60Hz					
Manufacturer:	Manufacturer: Guangdong Midea Microwave and Electrical Appliances Manufacturing Co., Ltd						
		Suppoi	rt Equipment				
Description	М	odel Number	Serial Num	ber	Manufacturer		
	,		N/A	1			
		Cable	Description				
Description From To Length Shielded Ferrite (Meters) (Y/N) (Y/N)							
Power Cable	EUT	Plug	1.2	N	N		

Note:

The EUT has been tested as an independent unit together with other necessary accessories or support units. The above support units or accessories were used to form a representative test configuration during the test tests.

Configuration of Tested System



ATTACHMENT 1 -RADIATION HAZARD TEST

CLIENT:	Guangdong Midea Microwave and Electrical Appliances Manufacturing Co., Ltd	TEST STANDERD:	FCC Part 18	
MODEL NUMBERS:	XM925AYY, XM925AYY-P1, XM925AYY-P2	PRODUCT:	Microwave Oven	
MODEL TESTED:	EM925AYY-P1	EUT DESIGNATION:	Home or Office	
TEMPERATURE:	22°C	HUMIDITY:	51%	
ATM PRESSURE:	101kPa	GROUNDING:	Through AC Power Cord	
TESTED BY:	Sewen Guo	DATE OF TEST:	February 2, 2012	
TEST REFERENCE:	ANSI C63.4-2009, FCC/OST MP-	5:1986		
TEST PROCEDURE:	The EUT was set-up according to the FCC MP-5 and FCC Part 18 for Radiation Hazard Measurement. The measurement was using a microwave leakage meter to measure the Radiation leakage in the as-received condition with the oven door closed. A 700ml water load in a beaker was located in the center of the oven and the Microwave Oven was set to maximum power. While the oven operating, the microwavemeter will check the leakage and then record the maximum leakage.			
TESTED RANGE:	N/A			
TEST VOLTAGE:	AC 120V/60Hz			
RESULTS:	There was no microwave leakage exceeding a power level of 0.03mW/cm2 observed at any point 5cm or more from the external surface of the oven. A maximum of 1.0 mW/cm2 is allowed in accordance with the applicable FCC standards. Hence, microwave leakage in the as-received condition with the oven door closed was below the maximum allowed. The test results relate only to the equipment under test provided by client.			
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen).			
M. UNCERTAINTY:	0.0001 mW/cm2			

Test Equipment List:

Test Equipment	Model No.	Manufacturer	Serial No.	Last Cal.	Cal. Interval
Microwave Measurement	HOLADAY	HI-1710A	00122261	2011.08.22	2012.08.21

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).

SIGNED BY: **ENGINEER** REVIEWED BY:

SENIOR ENGINEER

Radiation Hazard Test Set-up:



ATTACHMENT 2 - INPUT POWER MEASUREMENT

CLIENT:	Guangdong Midea Microwave and Electrical Appliances Manufacturing Co., Ltd.	TEST STANDERD:	FCC Part 18	
MODEL NUMBERS:	XM925AYY, XM925AYY-P1, XM925AYY-P2	PRODUCT:	Microwave Oven	
MODEL TESTED:	EM925AYY-P1	EUT DESIGNATION:	Home or Office	
TEMPERATURE:	21℃	HUMIDITY:	69%	
ATM PRESSURE:	102kPa	GROUNDING:	Through AC Power Cord	
TESTED BY:	Sewen Guo	Sewen Guo DATE OF TEST:		
TEST REFERENCE:	ANSI C63.4-2009, FCC/OST MP-5	:1986		
TEST PROCEDURE:	The EUT was set up according to the FCC MP-5 and FCC Part 18 for input power measurement. The input power and current was measured using a power analyzer. A 700ml water load in a beaker was located in the center of the oven and the Microwave Oven was set to maximum power. While the oven is operating, use a voltmeter and an ampmeter to test the AC input voltage and current.			
TESTED RANGE:	N/A			
TEST VOLTAGE:	120VAC / 60Hz			
RESULTS:	Based on the measured input power, the EUT was found to be operating within the intended specifications. The test results relate only to the equipment under test provided by client.			
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen).			
M. UNCERTAINTY:	± 5W			

Test Data:

Input Voltage Input Current		Measured Input	Rated Input	
(Vac/Hz) (amps)		Power(watts)	Power(watts)	
120.6	11.66	1311	1350	

Test Equipments List:

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
Power Meter	Ainuo	AN8726C	058704195	10/12/2011	10/11/2012

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).

SIGNED BY:

Severano

ENGINEER

REVIEWED BY:

SENIOR ENGINEER

Input Power Test Set-Up:



ATTACHMENT 3 - RF OUTPUT POWER MEASUREMENT

CLIENT:	Guangdong Midea Microwave and Electrical Appliances Manufacturing Co Ltd.	TEST STANDERD:	FCC Part 18	
MODEL NUMBERS:	XM925AYY, XM925AYY-P1, XM925AYY-P2	PRODUCT:	Microwave Oven	
MODEL TESTED:	EM925AYY-P1	EUT DESIGNATION:	Home or Office	
TEMPERATURE:	21℃	HUMIDITY:	60%RH	
ATM PRESSURE:	101kPa	GROUNDING:	Through AC Power Cord	
TESTED BY:	Sewen Guo	DATE OF TEST:	February 5, 2012	
TEST REFERENCE:	ANSI C63.4-2009, FCC/OST MP-5:1986			
TEST PROCEDURE:	The EUT was set up according to the FCC MP-5 and FCC Part 18 for RF output power Measurement. The Caloric Method was used to determine maximum RF output power. The initial temperature of the water load was measured. A 1000ml water load in a beaker was located in the center of the oven. The oven was operated at maximum output power for 120 seconds, the temperature of the water was remeasured.			
	RF Output Power = (4.2joules/calorie)(volume in n	, , ,	, ,	
TESTED RANGE:	– 4.2 ioules/calorie v 1000 v (Ei N/A	nai Lemn — Initial Lemni	/ 1 / 1)	
TEST VOLTAGE:	120VAC / 60Hz			
RESULTS:	RF Output Power =728 watts. The test results relate only to the equipment under test provided by client.			
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen).			
M. UNCERTAINTY:	± 0.3℃			

Test Data:

Quality of	Starting	Final	Elapsed Time	RF Output
Water(ml)	Temperature (${\mathcal C}$)	Temperature (${\mathcal C}$)	(Seconds)	Power(watts)
1000	18.2	39.0	1205	

Test Equipments list:

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
Digit Thermometer	Fluke Corporation	Fluke 51 II	87500204	05/15/2011	05/15/2012
Stopwatch	CASIO	HS-3	511Q038	05/22/2011	05/15/2012

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).

SIGNED BY:

ENGINEER

REVIEWED BY:

SENIOR ENGINEER

RF Output Power Test Set-Up:



ATTACHMENT 4 - OPERATING FREQUENCY MEASUREMENT

r	1	ı	1		
CLIENT:	Guangdong Midea Microwave and Electrical Appliances Manufacturing Co Ltd.	TEST STANDERD:	FCC Part 18		
MODEL NUMBERS:	XM925AYY, XM925AYY-P1, XM925AYY-P2	PRODUCT:	Microwave Oven		
MODEL TESTED:	EM925AYY-P1	EUT DESIGNATION:	Home or Office		
TEMPERATURE:	21℃	HUMIDITY:	60%RH		
ATM PRESSURE:	102kPa	GROUNDING:	Through AC Power Cord		
TESTED BY:	Sewen Guo	DATE OF TEST:	February 6, 2012		
TEST REFERENCE:	ANSI C63.4-2009, FCC/OST MP-	5:1986			
TEST PROCEDURE:	The EUT was set up according to the FCC MP-5 and FCC Part 18 for Operating Frequency Measurement. 1) The variation of frequency with time. The operating frequency was measured using a spectrum analyzer. Starting with the EUT at room temperature, a 1000ml water load in a beaker was located in the center of the oven. Set a spectrum analyzer with antenna at 3 meters distance form 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. 2) The variation of frequency with Line Voltage. The operating frequency was measured using a spectrum analyzer. 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.				
TESTED RANGE:	2450 ± 50MHz				
TEST VOLTAGE:	120VAC / 60Hz				
RESULTS:	Please refer to following pages for details of the variation in operating frequency with time & line voltage measurement. The test results relate only to the equipment under test provided by client.				
CHANGES OR MODIFICATIONS:	There were no modifications ins Corp (Shenzhen)	stalled by ECMG Electron	nic Technical Testing		
M. UNCERTAINTY:	Freq. ±10kHz				

Variation in Operating Frequency with Time:

Minimum Frequency (MHz)	Maximum Frequency (MHz)
2458.61	2459.81

Variation in Operating Frequency with Line Voltage:

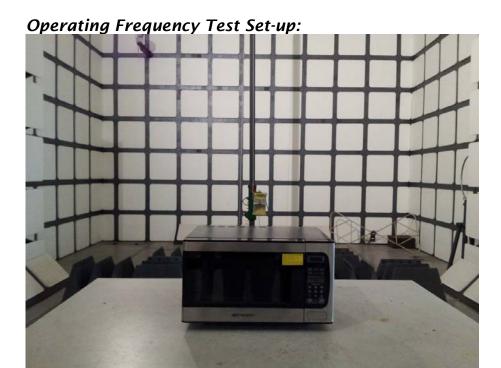
Minimum Frequency (MHz)	Maximum Frequency (MHz)
2458.32	2459.01
Note: Line voltage varied from 96Vac to 150Vac.	

Test Equipments List:

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
EMI test receiver	R&S	ESIB-26	100174	11/18/2011	11/17/2012
Horn Antenna	R&S	HF906	100311	11/20/2011	11/21/2012

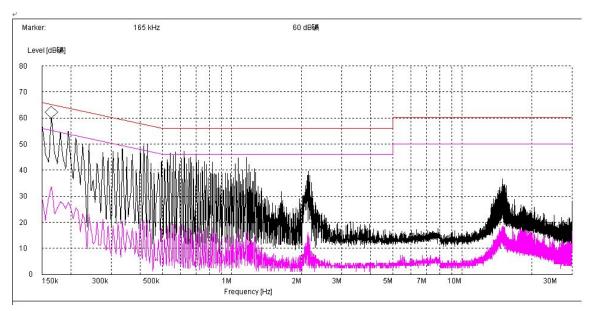
Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).

SIGNED BY:	Severano	REVIEWED BY:	Jamenym
	ENGINEER		SENIOR ENGINEER

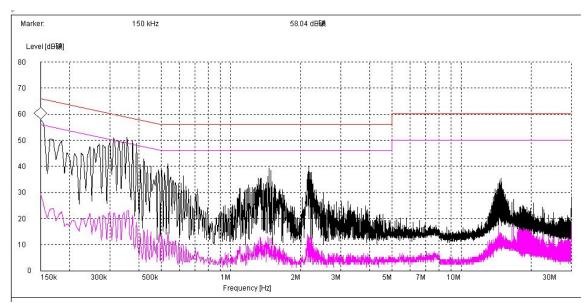


ATTACHMENT 5 - CONDUCTED EMISSION TEST RESULTS

CLIENT:	Guangdong Midea Microwave and Electrical Appliances Manufacturing Co Ltd.	TEST STANDERD:	FCC Part 18		
MODEL NUMBERS:	XM925AYY, XM925AYY-P1, XM925AYY-P2	PRODUCT:	Microwave Oven		
MODEL TESTED:	EM925AYY-P1	EUT DESIGNATION:	Home or Office		
TEMPERATURE:	21℃	HUMIDITY:	60%RH		
ATM PRESSURE:	101kPa	GROUNDING:	Through AC Power Cord		
TESTED BY:	Sewen Guo	DATE OF TEST:	February 7, 2012		
TEST REFERENCE:	ANSI C63.4-2009, FCC/OST MP-5:1986				
TEST PROCEDURE:	The EUT was set up according to for conducted emissions. The me EMI receiver peak scan was made highest significant peaks were the peaked and averaged. The free 30MHz.	asurement was using a de at the frequency me nen marked, and these	AMN on each line and an asurement range. The six signals were then quasi-		
TESTED RANGE:	150kHz to 30MHz				
TEST VOLTAGE:	120VAC / 60Hz				
RESULTS:	The EUT meets the requirements of test reference for Conducted Emissions. The test results relate only to the equipment under test provided by client.				
CHANGES OR MODIFICATIONS:	There were no modifications installed by ECMG Electronic Technical Testing Corp (Shenzhen)				
M. UNCERTAINTY:	±2.5 dB				



Line L Conducted Emission Graph



Line N Conducted Emission Graph

Test Data:

Lines (L/N)	Frequency (MHz)	Corrected QP Level (dBuV)	Limits QP (dBuV)	Margin QP (dB)	Frequency (MHz)	Corrected AV Level (dBuV)	Limits AV (dBuV)	Margin QP (dB)
L	0.165	51.5	65.2	-13.7	0.165	27.1	55.2	-28.1
L	0.195	47.4	63.8	-16.4	0.195	22.6	53.8	-31.2
L	0.430	42.1	57.3	-15.2	0.430	13.6	47.3	-33.7
N	0.150	49.3	66	-16.7	0.150	26.4	56.0	-29.6
N	0.310	42.7	60	-17.3	0.310	17.2	50.0	-32.8
N	0.355	42.8	58.8	-16.0	0.355	20.9	48.8	-27.9

Note:

- 1) All readings are using a bandwidth of 9 kHz, with a 500 ms sweep time. A video filter was not use.
- 2) "QP" means "Quasi-Peak" values, "AV" means "Average" values.
- 3) The other reading are too low against official limits that are not be recorded.

Test Equipments List:

Test Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Due
EMI test receiver	R&S	ESIB-26	100174	11/19/2011	11/18/2012
LISN	R&S	ESH2-Z5	100091	11/19/2011	11/18/2012
Transient Limiter	Agilent	11947A	3107A03648	11/19/2011	11/18/2012
Shielding Room	TDK	8m×4m×3m	N/A	04/17/2011	04/16/2012

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).

SIGNED BY:	Severano	REVIEWED BY:	Jamenym
_	ENGINEER		SENIOR ENGINEER

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Conducted Emission Test Set-up:



ATTACHMENT 6 - RADIATED EMISSION TEST RESULTS

CLIENT:	Guangdong Midea Microwave and Electrical Appliances Manufacturing Co.,Ltd.	TEST STANDERD:	FCC Part 18
MODEL NUMBERS:	XM925AYY, XM925AYY- P1, XM925AYY-P2	PRODUCT:	Microwave Oven
MODEL TESTED:	EM925AYY-P1	EUT DESIGNATION:	Home or Office
TEMPERATURE:	22 ℃	HUMIDITY:	63%RH
ATM PRESSURE:	103.0kPa	GROUNDING:	Through AC Power Cord
TESTED BY:	Sewen Guo	DATE OF TEST:	February 7, 2012
TEST REFERENCE:	ANSI C63.4-2009, FCC/OST	MP-5:1986	
TEST PROCEDURE:	radiated emissions. Microwa table. The top of the table is mounted metal turntable. Ar measurement range (pre-scathen performed and the sign peak detection mode from 1GHz. The following data lists the correction factors (including of table).	ave Oven was placed of 1.0 m above the ground in EMI receiver peak scan) in an Anechoic chan difficant peaks marked. A 30 MHz to 1GHz and describe and antenna correctively and the Correctively are the correctively and the Correctively and the Correctively are the correctively and the Correctively and the correctively are the corrective and the correctively are the correctively are the correctively are the correctively are the corrective and the corrective are the corrective are the corrective and the corrective are the corrective are the corrective and the corrective are the corrective	NSI C63.4-2009& FCC MP-5 for on a 1m *1.5m nonconductive. The table is placed on a flush in was made at the frequency ober. Signal discrimination was ill data was recorded in Quasi-average detector mode above frequencies, measured levels, ction factors), and the corrected on Factor are given as follows:
TESTED RANGE:	30MHz to 24.5GHz		
TEST VOLTAGE:	120VAC / 60Hz		
RESULTS:	The EUT meet the requirem results relate only to the equi		or radiated emissions. The test d by client.
CHANGES OR MODIFICATIONS:	There were no modifications (Shenzhen)	installed by ECMG Ele	ctronic Technical Testing Corp
M. UNCERTAINTY:	± 3.2 dB		

Field strength limits for out-of-band emissions:

For RF output power <500W, Limit at 300m = 27.96dBuV/mFor RF output power>500W, Limit at 300m=20log[25*SQRT(Power/500)]dBuV/m

Test Data:

	30MHz - 1GHz						
Frequency [MHz]	Antenna Polarization [V/H]	Corrected Reading [dBµV/m]	Factor (dB)	Field Strength [dBµV/m]	Delta, QP [dB]	3 Meters Limits [dBµV/m]	
150.521	V	10.0	8.6	18.6	-51.0	69.6	
658.820	V	20.2	9.2	29.4	-40.2	69.6	
251.603	V	12.3	5.9	18.2	-51.4	69.6	
274.930	Н	12.1	7.9	20.0	-49.6	69.6	
694.810	Н	21.3	9.2	30.5	-39.1	69.6	
57.214	Н	9.3	8.7	18.0	-51.6	69.6	

Note: 1) All readings are quasi-peak unless stated otherwise, using a bandwidth of 120kHz, with a 60s sweep time. A video filter was not used. 2) Field Strength = Read Level + Factor, Factor = Antenna Factor + Cable Loss - Preamp Factor.

1 GHz - 25 GHz									
Frequency [GHz]	Antenna Polarization [V/H]	Corrected Reading [dBµV/m]	Factor (dB)	Field Strength [dBµV/m]	Delta, AV [dB]	3 Meters Limits [dBµV/m]			
14.784	V	42.2	8.3	50.5	-19.1	69.6			
9.854	V	38.5	3.7	42.2	-27.4	69.6			
8.591	V	35.4	6.3	41.7	-27.9	69.6			
14.284	Н	42.0	8.9	50.9	-18.7	69.6			
17.248	Н	42.9	11.1	54	-15.6	69.6			
12.319	Н	41.5	6.0	47.5	-22.1	69.6			

Note: 1) All readings are average unless stated otherwise, using a bandwidth of 1MHz, with a 60s sweep time. A video filter was not used. 2) Field Strength = Read Level + Factor, Factor = Antenna Factor + Cable Loss - Preamp Factor.

Test Equipments List:

Test Equipment	Manufacturer	Model	Serial No.	Last Cal.	Cal. Due
EMI test receiver	R&S	ESIB-26	100174	11/19/2011	11/18/2012
Horn Antenna	R&S	HF906	100311	11/21/2011	11/20/2012
Hybrid Log Periodic Antenna	TDK	HLP-3003C	130144	11/21/2011	11/20/2012
Loop Antenna	ETS	ETS-6152	24934	11/21/2011	11/20/2012
Anechoic Chamber	TDK	9m×6 m×5.7m	N/A	04/17/2011	04/16/2012

Note: All testing were performed using internationally recognized standards. All test instruments were calibrated and traceable to the National Institute of Standards and Technology (NIST).

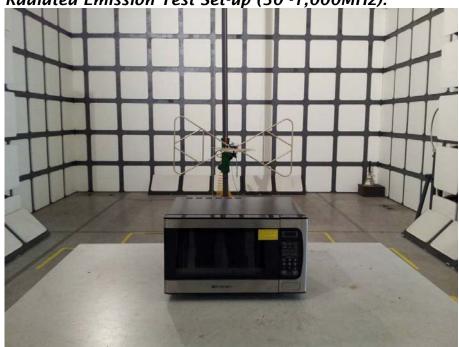
SIGNED BY:

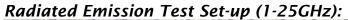
REVIEWED BY:

ENGINEER

SENIOR ENGINEER

Radiated Emission Test Set-up (30 -1,000MHz):







FCC Test Report #: GUA-1201-10775-FCC
Prepared for Guangdong Midea Microwave and Electrical Appliances Manufacturing Co., Ltd
Prepared by ECMG Electronic Technical Testing Corp (Shenzhen)
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