





FCC TEST REPORT

Report No: STS1801301E01

Issued for

Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.

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

Product Name:	Microwave Oven
Brand Name:	Midea
Test Model Name:	EC942K6BC
Series Model:	XC942KYY,XC942KYYY,NS-OTRC15SS9
FCC ID:	VG8XC942KYY
Test Standard:	FCC Part 18

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APPROVAL







TEST RESULT CERTIFICATION Manufacture's Name Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd. **Product description** Product name Microwave Oven Model Name EC942K6BC Series Model XC942KYY,XC942KYYY,NS-OTRC15SS9 This device described above has been tested by STS, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report. This report shall not be reproduced except in full, without the written approval of STS, this document may be altered or revised by STS, personal only, and shall be noted in the revision of the document. Date of Test Date of performance of tests Jan 31th. 2018 ~ Feb 02th. 2018 Date of Issue Feb 03th. 2018 Test Result.....Pass Kyle. Ras **Testing Engineer** (Kyle Rao) Technical Manager (Chopin Xiao)

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(Vita Li)

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Revision History

Rev.	Issue Date	Report NO.	Effect Page	Contents
00	Feb 03th. 2018	STS1801301E01	ALL	Initial Issue
Note: Format version of the report -V01				





1.TEST SUMMARY

Electromagnetic Interference (EMI)

EMISSION			
Standard Item Class / Severity Res			
47 CFR PART 18:2016	Conducted Emission (150 kHz to 30 MHz)	18.307(b)	PASS
	Radiated Emission (9 kHz to 30 MHz)	18.305(b)	PASS
	Radiated Emission (30 MHz to1 GHz)	18.305(b)	PASS
	Radiated Emission (1 GHz to 25 GHz)	18.305(b)	PASS

NOTE:

(1) EUT:In this whole report EUT means Equipment Under Test.

1.1 TEST FACTORY

Company Name:	Shenzhen STS Test Services Co., Ltd.	
Address:	1/F., Building B, Zhuoke Science Park, No.190, Chongqing Road, Fuyong Street, Bao'an District, Shenzhen, Guangdong, China	
Telephone:	+86-755 3688 6288	
Fax:	+86-755 3688 6277	
Registration No.:	CNAS Registration No.: L7649; FCC Registration No.: 625569	
Negistration No	IC Registration No.: 12108A; A2LA Certificate No.: 4338.01;	

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement y \pm U , where expended uncertainty U is based on a standard uncertainty multiplied by a coverage factor of k=2 , providing a level of confidence of approximately 95 % $^{\circ}$

No.	Item	Uncertainty
1	Conducted Emission (9KHz-150KHz)	±2.88dB
2	Conducted Emission (150KHz-30MHz)	±2.67dB
3	All emissions,radiated(<1G) 30MHz-200MHz	±3.73dB
4	All emissions,radiated(<1G) 200MHz-1000MHz	±3.92dB
5	All emissions,radiated(>1G)	±3.31dB

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2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

Equipment	Microwave Oven		
Trade Name	Midea		
Test Model Name	EC942K6BC		
Series Model	XC942KYY,XC942KYYY,NS-C	TRC15SS9	
Model Difference	XC942KYY,XC942KYYY,NS-OTRC15SS9 model designations as follows: X= E or A; C: indicate microwave function; 942: "9" indicates the microwave output power is 900W, "42" indicate cavity capacity is 42 liters; K: indicate the design No.; YY/YYY= 0-9 or A-Z, indicate different appearance; Model NS-OTRC15SS9 is identical to EC942K6BC except for model number. Model XC942KYY is identical to XC942KYYY except for model number. Model EC942K6BC was selected for the final testing		
	The technical specifications of Power Supply	AC 120V, 60Hz	
	Rated Input Power (Microwave)	1500W	
Technical Specifications	Rated Output Power (Microwave)	900W	
	Frequency	2450 MHz(Class B/Group 2)	
	Magnetron Model	2M319J	
	Magnetron Manufacturer	WITOL	
	NOTE: For more detailed information or features please refer to user's manual of EUT.		
DESCRIPTION OF SUPPORT UNITS	The EUT has been tested with water. Load for power output measurement :1000 milliliters of water in the beaker located in the centre of the oven Load for frequency measurement :1000 milliliters of water in the beaker located in the centre of the oven Load for conducted and radiated emission measurement :1000 milliliters of water in the beaker located in the centre of the oven		

Note: For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

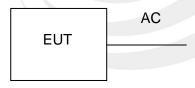
Pretest Mode	Description
Mode 1	Heating Mode

For Conducted Test		
Final Test Mode Description		
Mode 1	Heating Mode	

For Radiated Test		
Final Test Mode	Description	
Mode 1	Heating Mode	

NOTE: The test modes were carried out for all operation modes. Only worst case will be show in this report

2.3 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED





2.4 DESCRIPTION OF SUPPORT UNITS

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

Item	Equipment	Mfr/Brand	Model/Type No.
N/A	N/A	N/A	N/A

Item	Shielded Type	Ferrite Core	Length
N/A	N/A	N/A	N/A
			1
			1

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



2.5 EQUIPMENTS LIST FOR ALL TEST ITEMS

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

Radiation Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESCI	101427	2017.10.15	2018.10.14
Bilog Antenna	TESEQ	CBL6111D	34678	2017.10.30	2018.10.29
Horn Antenna	SCHWARZBECK	BBHA 9120D	1343	2017.10.27	2018.10.26
Spectrum Analyzer	Agilent	E4407B	MY50140340	2017.03.11	2018.03.10
Pre-mplifier(1G-18G)	Agilent	8449B	60538	2017.10.28	2018.10.27
Spectrum Analyzer	Agilent	N9020A	MY49100060	2017.03.11	2018.03.10
Pre-mplifier(0.1M-3GHz)	EM	EM330		2017.03.12	2018.03.11

Conduction Test equipment

Kind of Equipment	Manufacturer	Type No.	Serial No.	Last Calibration	Calibrated Until
EMI Test Receiver	R&S	ESPI	102086	2017.10.15	2018.10.14
LISN	R&S	ENV216	101242	2017.10.15	2018.10.14
LISN	EMCO	3810/2NM	23625	2017.10.15	2018.10.14
Absorbing clamp	R&S	MDS-21	100668	2017.10.19	2018.10.18
Power meter	STS S094	PF9901	G100731CJ351244	2017.03.11	2018.03.10

Radiation Hazard and Output Power Test equipment

Test Equipment	Manufacturer	Model	Serial No.	Last Calibration	Calibrated Until
Power Meter	Ainuo	AN8720P	058704074	2017.03.11	2018.03.10
Power Meter	STS S094	PF9901	G100731CJ351244	2017.03.11	2018.03.10
Microwave Measurement system	HOLADAY	HI-1710	98371	2017.03.11	2018.03.10



3. EMC EMISSION TEST

3.1 OPERATING FREQUENCY

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5

Test Date: 2018-02-02
Power Supply: AC 120V 60Hz
Frequency Range: 2400-2500 MHz

Detector: Peak

Limit:

ISM equipment may be operated on any frequency above 9 kHz.And t frequency band 2400-2500MHz is allocated for use by ISM equipment. (§18.301)

ISM frequency	Tolerance
6.78 MHz	±15.0 kHz ±7.0 kHz ±163.0 kHz ±20.0 kHz ±13.0 MHz ±50.0 MHz ±75.0 MHz ±125.0 MHz ±250.0 MHz ±250.0 MHz ±10.0 MHz ±10.0 MHz

3.1.1 FREQUENCY FOR NOrMAL VOLTAGE

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.

MEASUREMENT DATA

START Frequency (MHz)	STOP Frequency (MHz)
2405.1	2465.7



3.1.2 FREQUENCY FOR LINE VOLTAGE

The EUT was operated / warmed by at least 10 minutes of use with a 1000 mL 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.

MEASUREMENT DATA

START Frequency (MHz)	STOP Frequency (MHz)
2412.5	2471.8



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3.2 RADIATION HAZARD TEST

	7	1	1		
CLIENT:	Guangdong Midea Kitchen Appliances Manufacturing Co.,Ltd	TEST STANDERD:	FCC Part 18		
MODEL NUMBERS:	EC942K6BC, XC942KYY,XC942KYYY, NS-OTRC15SS9	PRODUCT:	Microwave Oven		
MODEL TESTED:	EC942K6BC	EUT DESIGNATION:	Home or Office		
TEMPERATURE:	22.5°C	HUMIDITY:	55%		
ATM PRESSURE:	101kPa	GROUNDING:	Through AC Power Cord		
TESTED BY:	Barry li	DATE OF TEST:	Feb. 02th,2018		
TEST REFERENCE:	ANSI C63.4-2014, FCC/OST M	P-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 1000ml 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:	AC120V/60Hz 1500W				
RESULTS:	There was no microwave leakage exceeding a power level of 0.19mW/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	There were no modifications installed by STS Electronic Technical Testing Corp				
MODIFICATIONS:	(Shenzhen) test personnel.				
M. UNCERTAINTY:	0.0002 mW/cm2				



3.3 RF OUTPUT POWER MEASUREMENT

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5

Test Date: 2018-02-02

Power Supply: AC120V/60Hz 1500W

3.3.1 E.U.T. Operation

Test the EUT in microwave mode with full power.

3.3.2 Measurement Data

Mass	Mass of	Ambient	Initial	Final	Heatin	Power
of	the	temperature(temperature(temperature(g	output(watt
water(container(℃)	℃)	℃)	time(S	s)
g)	g))	
1000	480	21.3	12	31	120	699.92

Formula:

$$P = \frac{4.2 \times m_w(T_2 - T_1) + 0.9 \times m_c(T_2 - T_0)}{t}$$

NOTE:

P is the microwave power output, in watts m_w is the mass of the water, in grams m_c is the mass of the container, in grams

To is the ambient temperature, in degrees Celsius

T₁ is the initial temperature of the water, in degrees Celsius

T2 is the final temperature of the water, in degrees Celsius

t is the heating time, in seconds, excluding the magnetron filament heating-up time.



3.4 CONDUCTED EMISSIONS, 150 KHZ TO 30MHZ

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5

Test Date: 2018-02-02
Power Supply: AC 120V 60Hz
Frequency Range: 150 kHz to 30 MHz

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

(9kHz Resolution Bandwidth for 150 kHz to 30 MHz)

Limit:

Frequency range MHz	AC mains terminals dB (μV)		
IVII IZ	Quasi-peak	Average	
0.15 to 0.5	66 to 56 [*]	56 to 46 [*]	
0.5 to 5	56	46	
5 to 30	60	50	

Note1: The limit decreases linearly with the logarithm of the frequency in therange 0.05 MHz to 0.5

MHz.

Note2: The lower limit is applicable at the transition frequency.

3.4.1 TEST PROCEDURE

The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support

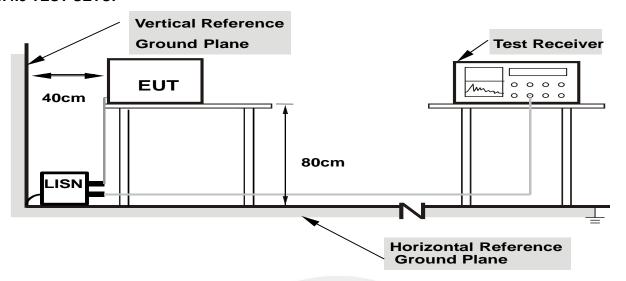
- a. equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
 - I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the
- c. cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.4.2 DEVIATION FROM TEST STANDARD

No deviation



3.4.3 TEST SETUP



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

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.4.4 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.

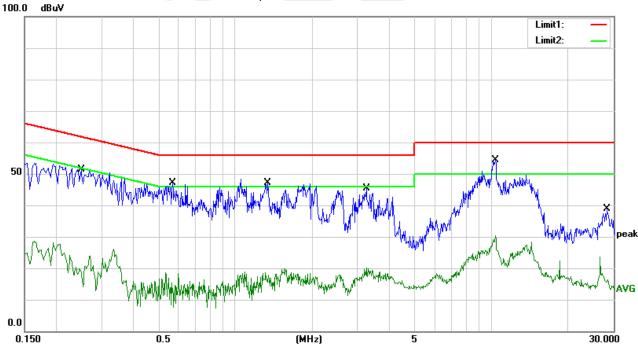


3.4.5 TEST RESULTS

Temperature:	23.5 ℃	Relative Humidity:	59%
Phase:	L	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2500	41.33	10.00	51.33	61.76	-10.43	QP
2	0.2500	7.82	10.00	17.82	51.76	-33.94	AVG
3	0.5700	37.09	9.96	47.05	56.00	-8.95	QP
4	0.5700	2.33	9.96	12.29	46.00	-33.71	AVG
5	1.3380	37.27	9.79	47.06	56.00	-8.94	QP
6	1.3380	5.80	9.79	15.59	46.00	-30.41	AVG
7	3.2500	35.50	9.81	45.31	56.00	-10.69	QP
8	3.2500	8.13	9.81	17.94	46.00	-28.06	AVG
9	10.3460	44.23	10.21	54.44	60.00	-5.56	QP
10	10.3460	20.20	10.21	30.41	50.00	-19.59	AVG
11	28.2540	28.65	10.24	38.89	60.00	-21.11	QP
12	28.2540	5.57	10.24	15.81	50.00	-34.19	AVG

- 1. All readings are Quasi-Peak and Average values.
- 2. Margin = Result (Result = Reading + Factor)—Limit
- 3. Factor= Cable Loss +Antenna Factor-Amplifier Gain

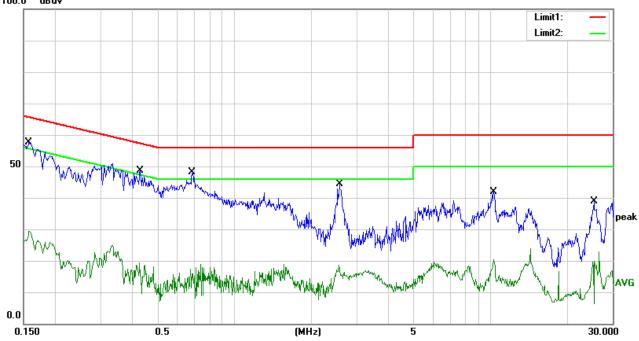


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Temperature:	23.5℃	Relative Humidity:	59%
Phase:	N	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.1580	47.76	9.79	57.55	65.57	-8.02	QP
2	0.1580	19.51	9.79	29.30	55.57	-26.27	AVG
3	0.4300	38.64	10.03	48.67	57.25	-8.58	QP
4	0.4300	5.45	10.03	15.48	47.25	-31.77	AVG
5	0.6863	38.17	9.85	48.02 56.00		-7.98	QP
6	0.6863	6.10	9.85	15.95 46.00		-30.05	AVG
7	2.5740	34.45	9.80	44.25	56.00	-11.75	QP
8	2.5740	7.42	9.80	17.22	46.00	-28.78	AVG
9	10.3340	31.76	10.21	41.97	60.00	-18.03	QP
10	10.3340	10.28	10.21	20.49	50.00	-29.51	AVG
11	25.3380	28.75	10.17	38.92	60.00	-21.08	QP
12	25.3380	9.70	10.17	19.87	50.00	-30.13	AVG

- 1. All readings are Quasi-Peak and Average values.
- 2. Margin = Result (Result = Reading + Factor)-Limit
- 3. Factor= Cable Loss +Antenna Factor-Amplifier Gain 100.0 dBuV





3.5 RADIATED EMISSIONS,9 KHZ TO25GHZ

3.5.1 Radiated Emission Limits

- (a) ISM equipment operation on a frequency specified in §18.301 is permitted unlimited radiated energy in the band specified for that frequency.
- (b) The field strength levels of emissions which lie outside the bands specified in §18.301,unless otherwise indicated, shall not exceed the following:

RF Power generated by equipment(watts)	Field strength Limit(uV/m) @300m
Below 500	25
500 or more	25*SQRT(power/500)

Power =699.92W according to cluse7.2.2 Limit=20lg(25*SQRT(power/500))+20lg(300/3) @ 3m distance.





3.5.2 TEST PROCEDURE

The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.

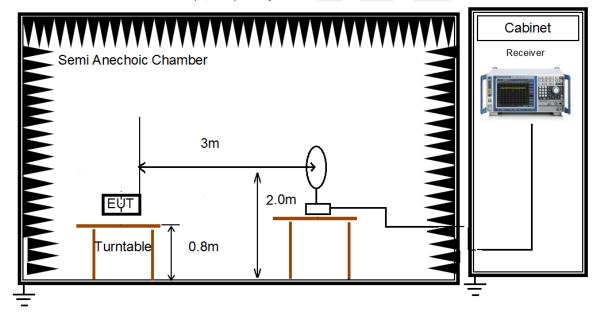
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- The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter b. open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test c. antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- The initial step in collecting conducted emission data is a spectrum analyzer peak detector d. mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the e. EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos.

Note: Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

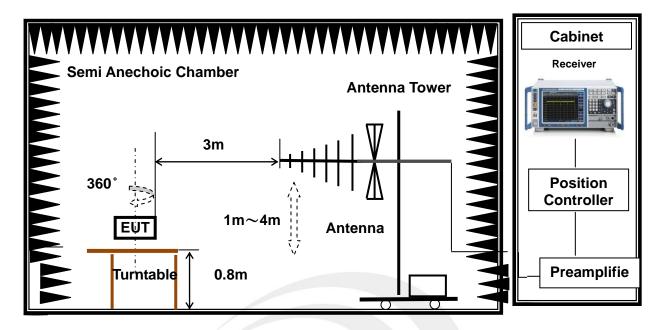
3.5.3 TEST SETUP

(A) Radiated Emission Test-Up Frequency 9KHz~30MHz





(B) Radiated Emission Test-Up Frequency 30 MHz to 1 GHz



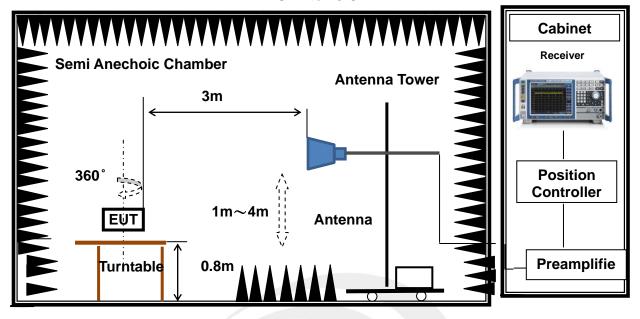
- 1. The radiated emissions test was conducted in a semi-anechoic chamber.
- 2. Biconical and log periodic antenna was used for the frequency range from 30MHz to 1GHz
- 3. The EUT was connected to nominal power supply through a mains power outlet which was bonded to the ground reference plane; The mains cables were draped to the ground reference plane. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.
- 4. Before final measurements of radiated emissions, a pre-scan was performed in the spectrum mode with the peak detector to find out the maximum emissions spectrum plots of the EUT.

The frequencies of maximum emission were determined in the final radiated emissions measurement. At each frequency, the EUT was rotated 360°, and the antenna was raised and lowered from 1 to 4 meters in order to determine the maximum disturbance. Measurements were performed for both horizontal and vertical antenna polarization.



Above 1 GHz:

1 GHz to 18 GHz



- 1. The radiated emissions test was conducted in a fully-anechoic chamber.
- 2. Horn antenna was used for the frequency above 1GHz
- 3. The EUT was connected to nominal power supply through a mains power outlet which was bonded to the ground reference plane; The mains cables were draped to the ground reference plane. The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane, but separated from metallic contact with the ground reference plane by 0.1m of insulation.
- 4. Before final measurements of radiated emissions, a pre-scan was performed in the spectrum mode with the peak detector to find out the maximum emission spectrum plots of the EUT.

The frequencies of maximum emission were determined in the final radiated emissions measurement. At each frequency, the EUT was rotated 360°, and the antenna was raised and lowered from 1 to 4 meters in order to determine the maximum disturbance. Measurements were performed for both horizontal and vertical antenna polarization.



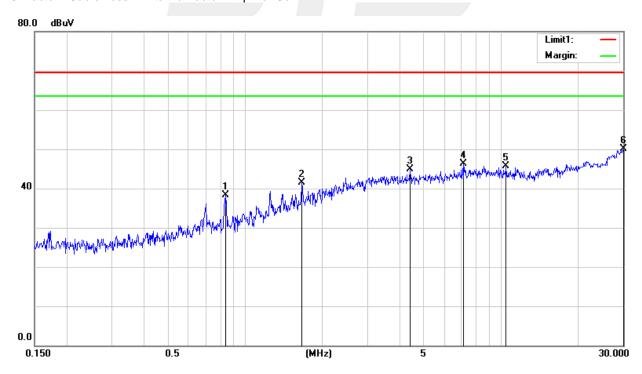
3.5.4 TEST RESULTS

Between 0.15MHz-30MHz

Temperature:	24.6 ℃	Relative Humidity:	58%
Phase:	x	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	0.8393	-3.90	42.18	38.28	69.42	-31.14	QP
2	1.6625	6.05	35.48	41.53	69.42	-27.89	QP
3	4.4071	19.83	25.00	44.83 69.42		-24.59	QP
4	7.0997	26.12	20.15	46.27	69.42	-23.15	QP
5	10.4524	30.00	15.75	45.75	69.42	-23.67	QP
6	30.0000	35.12	14.94	50.06	69.42	-19.36	QP

- 1. All readings are Quasi-Peak.
- 2. Margin = Result (Result = Reading + Factor)-Limit
- 3. Factor= Cable Loss +Antenna Factor-Amplifier Gain



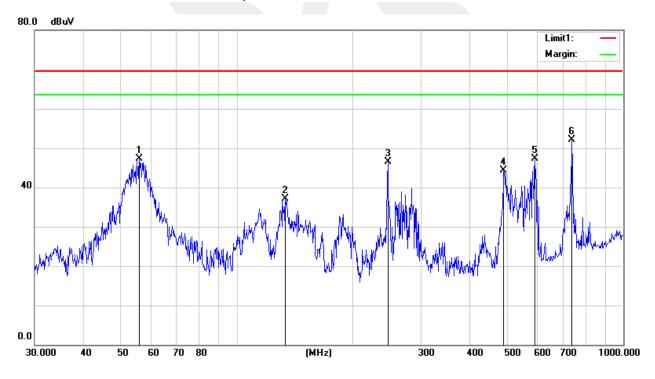


Between 30MHz-1GHz

Temperature:	24.6 ℃	Relative Humidity:	58%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz		

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	56.0007	70.46	-23.19	47.27	69.42	-22.15	QP
2	133.6188	54.58	-17.54	37.04	69.42	-32.38	QP
3	245.9510	63.44	-16.91	46.53	69.42	-22.89	QP
4	490.7447	53.38	-9.13	44.25	69.42	-25.17	QP
5	590.9737	54.25	-6.95	47.30	69.42	-22.12	QP
6	737.0714	55.80	-3.69	52.11	69.42	-17.31	QP

- 1. All readings are Quasi-Peak.
- 2. Margin = Result (Result = Reading + Factor)—Limit
- 3. Factor= Cable Loss +Antenna Factor-Amplifier Gain





Between 30MHz-1GHz

Temperature:	24.6 ℃	Relative Humidity:	58%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz		

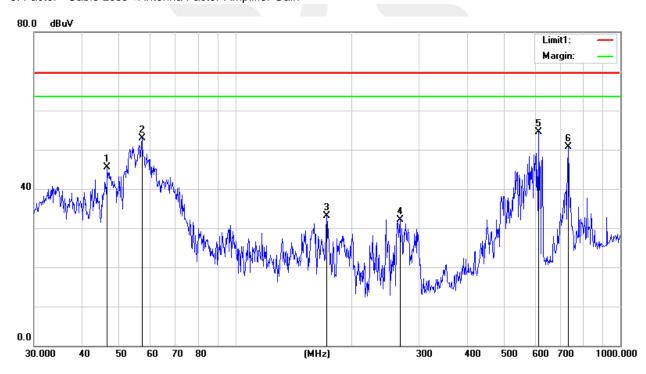
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor (dB)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector
1	46.5030	65.25	-19.68	45.57	69.42	-23.85	QP
2	57.1914	76.52	-23.54	52.98	69.42	-16.44	QP
3	172.5988	52.37	-19.36	33.01	69.42	-36.41	QP
4	267.5455	47.47	-15.38	32.09	69.42	-37.33	QP
5	614.2142	61.11	-6.65	54.46	69.42	-14.96	QP
6	731.9203	54.75	-3.97	50.78	69.42	-18.64	QP

Remark:

1. All readings are Quasi-Peak.

2. Margin = Result (Result = Reading + Factor)—Limit

3. Factor= Cable Loss +Antenna Factor-Amplifier Gain



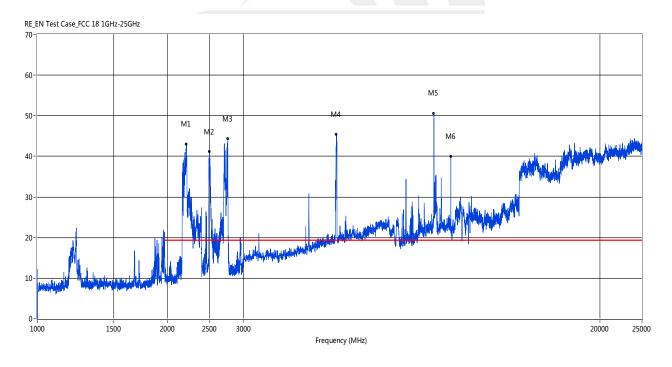


Between 1GHz-25GHz

Temperature:	25 ℃	Relative Humidity:	65%
Phase:	Horizontal	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz		

N 0	Frequency (MHz)	Result s (dBuV/ m)	Correct Factor (dB)	Limit (dBuV/ m)	Margin (dB)	Dete ctor	Table (o)	Heig ht (cm)	ANT	Verdic t
1	2208.698	43.00	-36.72	69.42	26.42	Peak	32.00	100	Horizontal	Pass
2	2500.625	41.19	-34.58	69.42	28.23	Peak	172.70	100	Horizontal	Pass
3	2753.562	44.30	-34.26	69.42	25.12	Peak	166.00	100	Horizontal	Pass
4	4914.521	45.43	-22.91	69.42	23.99	Peak	148.50	100	Horizontal	Pass
5	8253.687	50.59	-20.57	69.42	18.83	Peak	197.10	100	Horizontal	Pass
6	9033.492	39.91	-19.71	69.42	29.51	Peak	203.50	100	Horizontal	Pass

- 1. All readings are Quasi-Peak .
- 2. Margin = Result (Result = Reading + Factor)-Limit
- 3. Factor= Cable Loss +Antenna Factor-Amplifier Gain



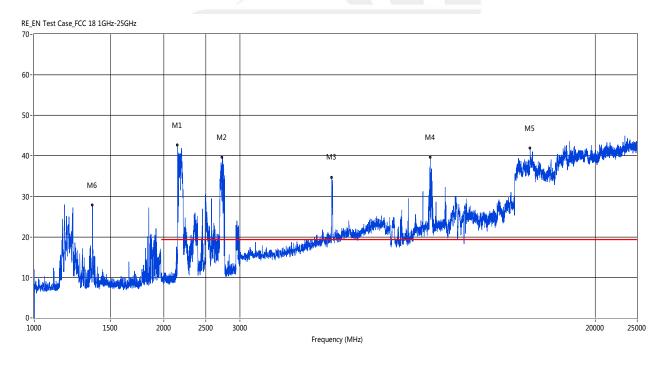


Between 1GHz-25GHz

Temperature:	25 ℃	Relative Humidity:	65%
Phase:	Vertical	Test Mode:	Mode 1
Test Voltage:	AC 120V/60Hz		

N 0	Frequency (MHz)	Resul ts (dBu V/m)	Correct Factor (dB)	Limit (dBuV/ m)	Margin (dB)	Dete ctor	Table (o)	Height (cm)	ANT	Verdic t
1	2150.212	42.66	-36.98	69.42	26.76	Peak	26.00	100	Vertical	Pass
2	2729.568	39.68	-34.26	69.42	29.74	Peak	252.10	100	Vertical	Pass
3	4894.526	34.71	-23.49	69.42	34.71	Peak	224.80	100	Vertical	Pass
4	8283.679	39.57	-19.71	69.42	29.85	Peak	121.90	100	Vertical	Pass
5	14118.720	41.87	-4.65	69.42	27.55	Peak	7.20	100	Vertical	Pass
6	1364.909	27.84	-39.33	69.42	41.58	Peak	107.80	100	Vertical	Pass

- 1. All readings are Quasi-Peak .
- 2. Margin = Result (Result = Reading + Factor)-Limit
- 3. Factor= Cable Loss +Antenna Factor-Amplifier Gain

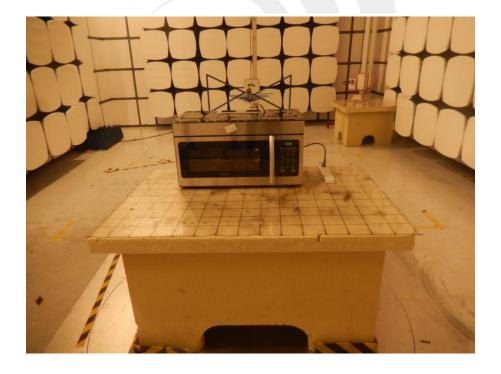




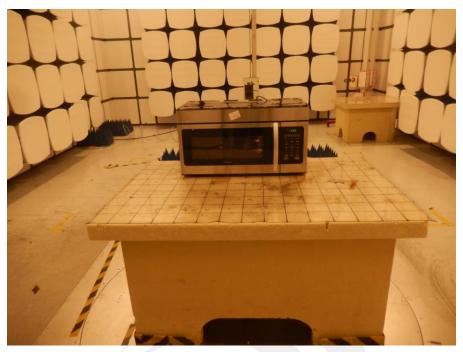
APPENDIX 1-PHOTOS OF TEST SETUP

Radiated Measurement Photos









Conducted Measurement Photos







Power meter





APPENDIX 2-PHOTOGRAPHS OF EUT CONSTRUCTIONAL DETAILS



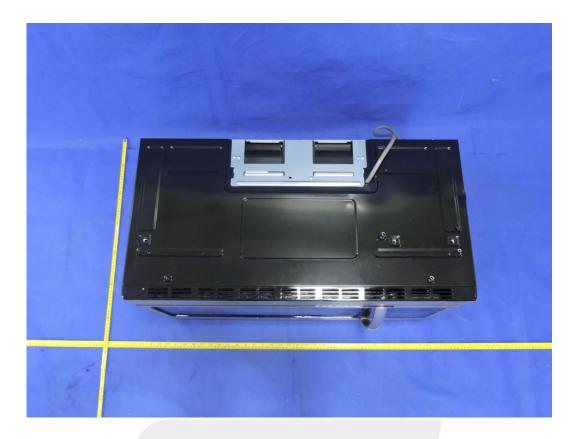


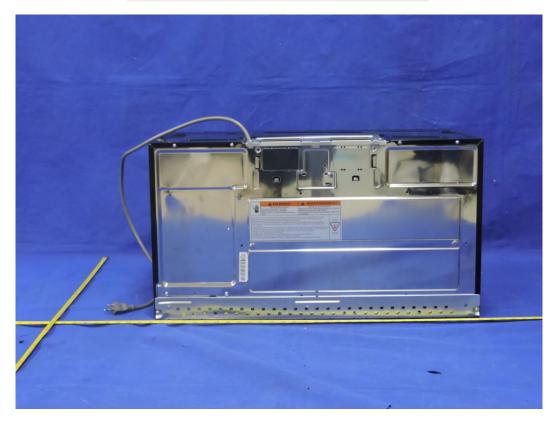










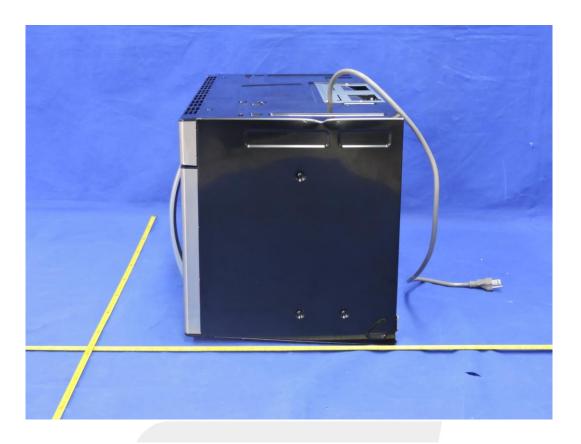


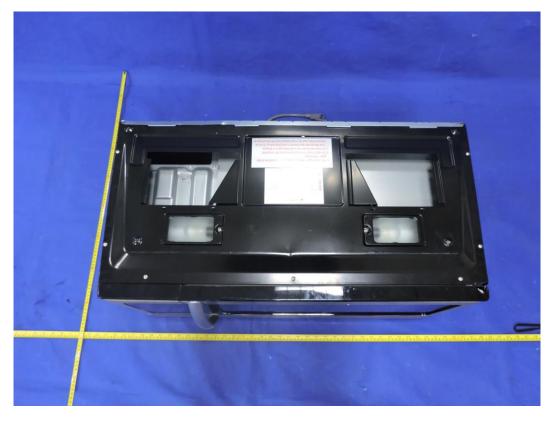




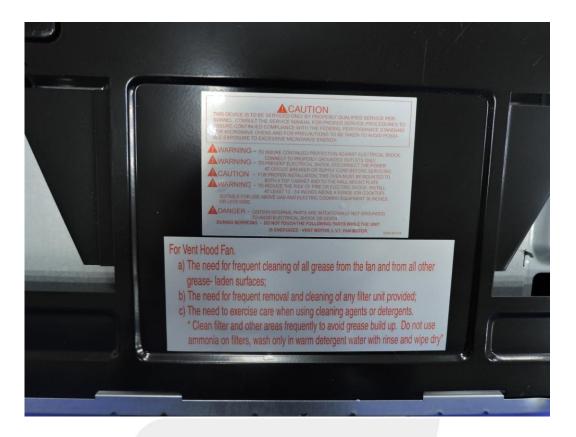


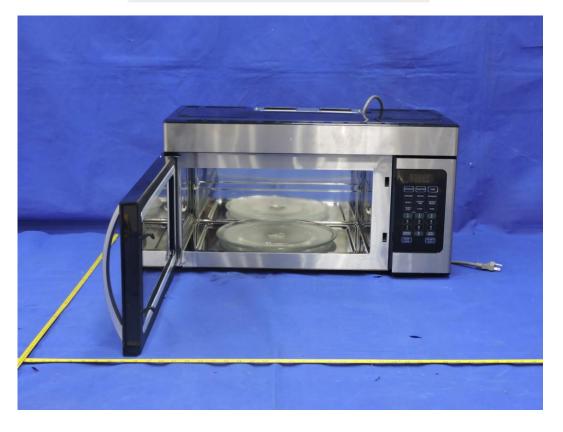














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