

Report No.: 20230717G08595X-E

# **FCC PART 18TEST REPORT**

Report No.: 20230717G08595X-E

**Product Name:** Microwave Oven

Trade Name: Midea, IKEA, ZLINE

Model No.: XC942KYY, XC942KYYY, NS-OTRC15SS9,

204.621.65\*\*\*, MWO-OTR-30, MWO-OTR-30-SS, MWO-OTR-30-BS,

MWO-OTR-H-30, MWO-OTR-H-30-SS, MWO-OTR-H-30-BS

FCC ID: VG8XC942KYY

Applicant: Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.

**Received Date:** 2023.07.21

Test Data: 2023.07.27-2023.07.27

**Issued by:** CCIC Southern Testing Co., Ltd.

Lab Location: Electronic Testing Building, No.43 Shahe Road, Xili Street, Nanshan

District, Shenzhen, Guangdong, China

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# **Test Report**

Product Name..... Microwave Oven

XC942KYY, XC942KYYY, NS-OTRC15SS9, 

MWO-OTR-30-BS, MWO-OTR-H-30, MWO-OTR-H-30-SS,

MWO-OTR-H-30-BS

Trade name ...... Midea, IKEA, ZLINE

Applicant...... Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.

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

Manufacturer ...... Guangdong Midea Kitchen Appliances Manufacturing Co., Ltd.

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

Test Standards ...... 47 CFR Part 18

47 CFR Part 15 Subpart B

Test Result..... PASS

Tested by ...... Ruihong Xie

Ruihong Xie Test Engineer 2023.07.31

Reviewed by ..... Chris You

> Chris You Senior Engineer 2023.07.31

Approved by .....

2023.07.31

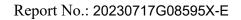
Yang Fan, Manager



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	Change History					
Issue Date Reason for change						
1.0	2023.07.31 First edition					





#### 1. GENERAL INFORMATION

#### 1.1 GENERAL DESCRIPTION OF EUT

EUT Name .....: Microwave Oven
Trade Name ....: Midea, IKEA, ZLINE

Model.....: XC942KYY, XC942KYYY, NS-OTRC15SS9, 204.621.65\*\*\*,

MWO-OTR-30, MWO-OTR-30-SS, MWO-OTR-30-BS,

MWO-OTR-H-30, MWO-OTR-H-30-SS, MWO-OTR-H-30-BS

model designations as follows:

X= E or A, Stands for Controller Type,

E: Film type keypad, A: Rotating type knob.C: Indicates microwave + Convection function;

942: "9" Indicates the microwave output power is 900W, "42"

indicates cavity capacity is 42 liters;

K: Indicates the design No.;

YY/YYY/\*\*\*: "Y" or "\*" = 0-9, A-Z or blank, indicates

different appearance;

Customer model as "MWO-OTR-30, MWO-OTR-30-SS, MWO-OTR-30-BS, MWO-OTR-H-30, MWO-OTR-H-30-SS, MWO-OTR-H-30-BS" for trade mark as "ZLINE" and which are

the identical to model of EC942KYYY.

Model of EC942K6YQ was selected for the final testing.

Power Supply .....: 120V AC/60Hz

Rated input Power(microwave): 1500W Rated output Power(microwave): 900W

Frequency....: 2450MHz (Class B/Group 2)

Magnetron Model.....: 2M319J Magnetron Manufacturer ...: WITOL

Description of Support Units: -Load for power output measurement: 1000 milliliters of water in

the beaker located in the center of the oven.

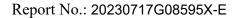
-Load for frequency measurement: 1000 milliliters of water in

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.

Note 1: The EUT have the following typical setups during the test:

Setup1: Microwave heating mode (According to FCC PART 18);

Setup2: Convection mode (According to FCC PART 15B, digital device)

Note 2: For a more detailed description, please refer to Specification or User's Manual supplied by the applicant and/or manufacturer.

Note 3: This is an updating report based the original report #: "SET2021-07119" and which re-tested on July 27<sup>th</sup>, 2023. Differences between two reports as below:

♦ The only modified the peripheral circuit (non-RF circuit), please see below the new and original mother board photo comparison, the magnetron and RF circuit is exactly the same as before.

Original Mother board-top view



Original Mother board -bottom



New Mother board -top view



New Mother board -bottom



- ♦ The principle of the two mother boards is the same, only the individual components and PCB layout have been updated. For details, please refer to the above photo.
- ♦ For more detailed information please refer to difference letter provided by client.



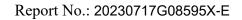
# 1.2 Test Standards and Results

The objective of the report is to perform testing according to 47 CFR Part 18:

No.	Identity	Document Title
1	47 CFR Part 18	Radio Frequency Devices
2	47 CFR Part 15	Radio Frequency Devices
	Subpart B	

Test detailed items/section required by FCC rules and results are as below:

Emission					
Standard	Item	Class / Severity	Result		
	Conducted Emission	19 207(1)	DAGG		
47 CFR PART 18	(150 kHz to 30 MHz)	18.307(b)	PASS		
4/ CFR PART 18	Radiated Emission	19 205(L)	PASS		
	(30 MHz to 1 GHz)	18.305(b)	rass		
	Conducted Emission	15 107	DACC		
47 CFR PART 15	(150 kHz to 30 MHz)	15.107	PASS		
4/ CFR PART 13	Radiated Emission	15 100	DACC		
	(30 MHz to1 GHz)	15.109	PASS		





#### 1.3 Facilities and Accreditations

#### 1.3.1 Facilities

#### CNAS-Lab Code: L1659

CCIC-SET is a third -party testing organization accredited by China National Accreditation Service for Conformity Assessment (CNAS) according to ISO/IEC 17025. The accreditation certificate number is L1659.

#### FCC-Registration No.: CN1283

CCIC Southern Testing 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. Designation Number: CN1283, valid time is until Sep.30, 2023.

#### **ISED Registration: 11185A-1**

CCIC Southern Testing Co., Ltd. EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for the performance of radiated measurements with Registration No. 11185A-1 on Aug. 04, 2016, valid time is until Sep.30, 2023.

#### **A2LA Code: 5721.01**

CCIC-SET is a third -party testing organization accredited by A2LA according to ISO/IEC 1 7025. The accreditation certificate number is 5721.01.

#### 1.3.2 Test Environment Conditions

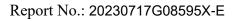
During the measurement, the environmental conditions were within the listed ranges:

Temperature (°C):	15°C- 35°C
Relative Humidity (%):	25% -75%
Atmospheric Pressure (kPa):	86kPa-106kPa

#### **1.3.3** Measurement Uncertainty

The uncertainty is calculated using the methods suggested in the "Guide to the Expression of Uncertainty in Measurement" (GUM) published by ISO.

Uncertainty of Conducted Emission:	Uc = 3.2 dB (k=2)
Uncertainty of Radiated Emission:(30MHz~1GHz)	Uc = 5.8  dB (k=2)
Uncertainty of Radiated Emission:(1~18GHz)	Uc = 5.1  dB (k=2)

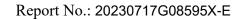




# 2. EQUIPMENTS LIST

# A. Equipment List:

Description	Manufacturer	Model	Serial No.	Calibration Date	Calibration Due. Date
Test Receiver	Rohde & Schwarz	ESIB26	A0304218	2022.11.29	2023.11.28
LISN	ROHDE&SCHWARZ	NSLK 8127	A210803670	2022.08.10	2023.08.09
Shield Room	Xinju Electronics	L9000*W4500* H3100	A181003230	2021.09.05	2024.09.04
EMI Test Receiver	ROHDE&SCHWARZ	ESIB7	A0501375	2023.03.16	2024.03.15
Broadband Ant.	ETC	MCTD2786	A150402240	2021.03.05	2024.03.04
3M Anechoic Chamber	Albatross	SAC-3MAC 9*6*6m	A0412375	2021.03.26	2024.03.25
EMI Test Receiver	ROHDE&SCHWARZ	ESW26	A180502935	2023.06.08	2024.06.07
5M Anechoic Chamber	Albatross	SAC-5MAC 12.8x6.8x6.4m	A0304210	2021.06.08	2024.06.07
EMI Horn Ant.	ETC	1209	A150402241	2021.01.02	2024.01.01
Spectrum Analyzer	ROHDE&SCHWARZ	ESW26	A180502935	2023.06.07	2024.06.06





#### 3. EMC EMISSION TEST

#### 3.1 Test Procedure

Test Requirement: 47 CFR PART 18

Test Method: FCC/OST MP-5:1986

Power Supply: AC 120V/60Hz Frequency Range: 2400-2500MHz

Detector: Peak

Limit:

ISM equipment may be operated at any frequency above 9KHz and the frequency band 2400-2500MHz is allocated for use by ISM equipment

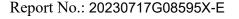
ISM frequency	Tolerance
6.78 MHz	±15.0 kHz
13.56 MHz	±7.0 kHz
27.12 MHz	±163.0 kHz
40.68 MHz	±20.0 kHz
915 MHz	±13.0 MHz
2,450 MHz	±50.0 MHz
5,800 MHz	±75.0 MHz
24,125 MHz	±125.0 MHz
61.25 GHz	±250.0 MHz
122.50 GHz	±500.0 MHz
245.00 GHz	±1.0 GHz

#### 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.

#### 3.1.2 Frequency For 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.





#### 3.1.3 Measurement data

Operating Mode	Frequency (MHz)		
Normal Voltage	2436.2-2460.4		
Line Voltage	2437.8-2465.5		

#### 3.2 RADIATION HAZARD TEST

#### 3.2.1 Test Setup

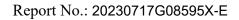
The EUT was set-up according to the FCC MP-5 and FCC Part 18 for radiation Hazard measurement. The measurement was using a microwave leakage meter to measure the radiation leakage in the as-received condition with the oven door closed A 700mL water load in a breaker was located in the center of the oven and the microwave oven was set to maximum power. While the oven operating, the microwave meter will check the leakage and then record the maximum leakage.

#### 3.2.2 Limit

A maximum of 1.0mW/cm<sup>2</sup> is allowed in according with the applicable FCC standards

#### 3.2.3 Test results

There was no microwave leakage exceeding a power level of 0.41 m w/cm<sup>2</sup> observed at any point 5cm or more from the external surface of the oven





### 3.3 RF OUTPUT POWER MEASUREMENT

#### 3.3.1 Test Standard

Test Requirement	47 CFR PART 18		
Test Method	FCC/OST MP-5:1986		
Power Supply	AC120/60Hz		

## 3.3.2 EUT Operating mode

Test the EUT in microwave mode with full power.

#### 3.3.3 Test Data

Mass of Water(g)	Mass of the container(g)	ambient temperature	Initial temperature(℃)	Final temperature(°C)	Heating Time(S)	Output Power (Watt)
1000	280	20.5	10.1	30.4	120	731.29

Formula:

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

P is the microwave power output, in watts

Mw is the mass of the water, in grams

Mc is the mass of the container, in grams

T0 is the ambient temperature, in degrees Celsius

T1 is Initial temperature of the water, in degrees Celsius

T2 is final temperature of the water, in degrees Celsius

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



### 4. CONDUCTED EMISSION

#### 4.1.1 Conducted Emission Limit

Eraguanay ranga (MUz)	Conducted Limit (dBµV)				
Frequency range (MHz)	Quasi-peak	Average			
0.15 - 0.50	66 to 56	56 to 46			
0.50 - 5	56	46			
5 - 30	60	50			

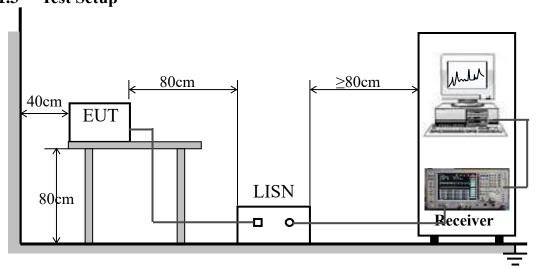
#### Note:

- a) The limit decreases linearly with the logarithm of the frequency in therange 0.05 MHz to 0.5MHz.
- b) The lower limit is applicable at the transition frequency.

#### 4.1.2 Test Procedure

The EUT is placed on a 0.8m high insulating table, which stands on the grounded conducting floor, and keeps 0.4m away from the grounded conducting wall. The EUT is connected to the power mains through a LISN which provides  $50\Omega/50\mu H$  of coupling impedance for the measuring instrument. The Common Antenna is used for the call between the EUT and the System Simulator (SS). A Pulse Limiter is used to protect the measuring instrument. The factors of the whole test system are calibrated to correct the reading.

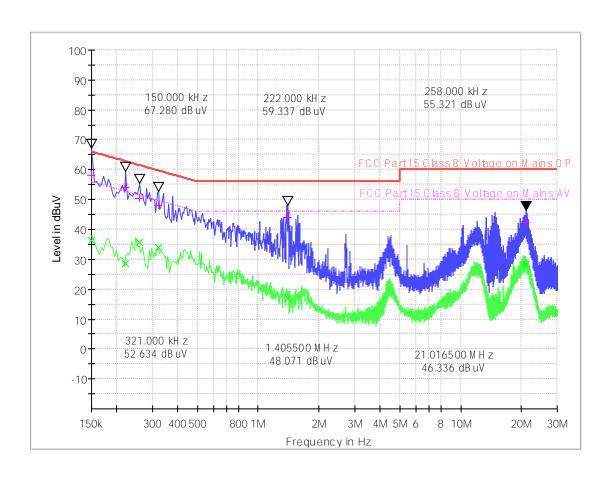
### 4.1.3 Test Setup





#### A. Test Result:

Mains terminal disturbance voltage, Setup1, L phase

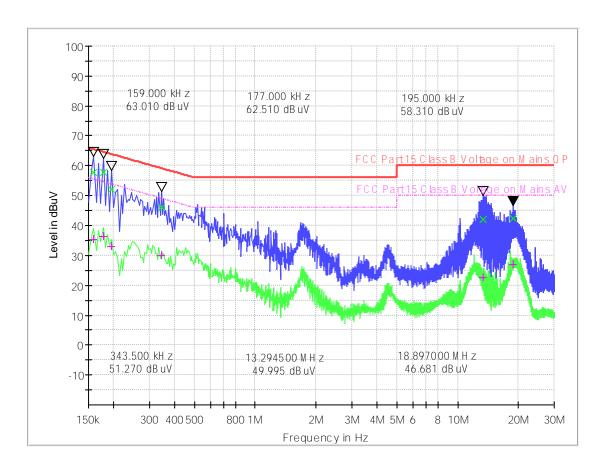


(Plot A: L Phase)

Frequency	Quasi Peak	Average	Cabel Loss	Corr.	Margin -	Limit -	Margin -	Limit - AV
(MHz)	(dB μ V)	(dB µ V)	(dB)	(dB)	QPK	QPK	AV	(dB $\mu$ V)
0.150000	58.04	36.23	0.1	10.4	7.96	66.0	19.77	56.0
0.222000	54.11	28.71	0.1	10.5	8.63	62.7	24.03	52.7
0.258000	50.52	35.72	0.1	10.5	10.98	61.5	15.78	51.5
0.321000	47.97	33.91	0.1	10.5	11.71	59.7	15.77	49.7
1.405500	44.11	16.71	0.2	10.4	11.89	56.0	29.29	46.0
21.016500	42.43	28.23	0.5	11.1	17.57	60.0	21.77	50.0



## Mains terminal disturbance voltage, Setup 1, N phase

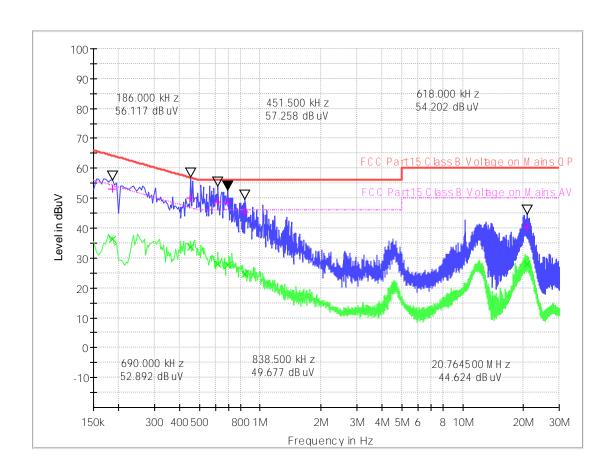


(Plot B: N Phase)

Frequency	Quasi Peak	Average	Cable Loss	Corr.	Margin -	Limit -	Margin -	Limit - AV
(MHz)	(dB $\mu$ V)	(dB µ V)	(dB)	(dB)	QPK	QPK	AV	(dB $\mu$ V)
0.159000	57.87	35.16	0.1	10.6	7.65	65.5	20.36	55.5
0.177000	57.74	36.23	0.1	10.6	6.89	64.6	18.40	54.6
0.195000	52.03	33.01	0.1	10.6	11.79	63.8	20.81	53.8
0.343500	46.09	30.10	0.1	10.6	13.03	59.1	19.02	49.1
13.29450	42.10	22.58	0.5	11.1	17.90	60.0	27.42	50.0
18.89700	42.21	26.99	0.5	11.1	17.79	60.0	23.01	50.0



### Mains terminal disturbance voltage, Setup2, L phase

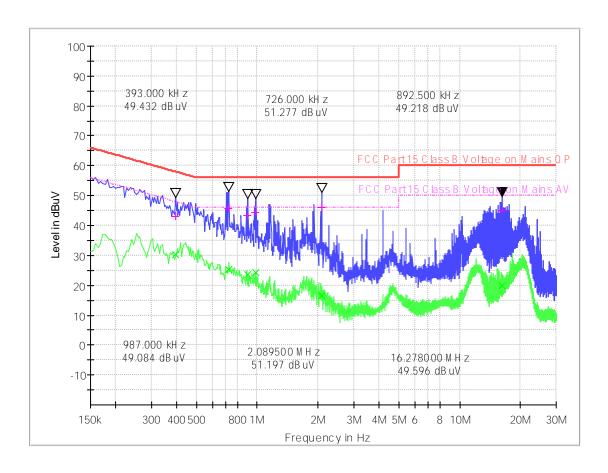


(Plot C: L Phase)

Frequency	Quasi Peak	Average	Cable	Corr.	Margin -	Limit -	Margin -	Limit - AV
(MHz)	(dB $\mu$ V)	(dB $\mu$ V)	Loss	(dB)	QPK	QPK	AV	(dB $\mu$ V)
0.186000	52.97	36.46	0.1	10.5	11.24	64.2	17.75	54.2
0.451500	50.15	33.77	0.1	10.4	6.70	56.8	13.08	46.8
0.618000	48.65	27.82	0.1	10.4	7.35	56.0	18.18	46.0
0.690000	48.44	27.46	0.1	10.4	7.56	56.0	18.54	46.0
0.838500	45.47	24.56	0.1	10.4	10.53	56.0	21.44	46.0
20.76450	40.24	28.01	0.5	11.1	19.76	60.0	21.99	50.0



### Mains terminal disturbance voltage, Setup 2, N phase



(Plot D: N Phase)

Frequency	Quasi Peak	Average	Cable Loss	Corr.	Margin -	Limit -	Margin -	Limit - AV
(MHz)	(dB μ V)	(dB µ V)	(dB)	(dB)	QPK	QPK	AV	(dB $\mu$ V)
0.393000	42.86	30.35	0.1	10.6	15.14	58.0	17.65	48.0
0.726000	45.59	25.40	0.1	10.6	10.41	56.0	20.60	46.0
0.892500	43.43	23.50	0.1	10.5	12.57	56.0	22.50	46.0
0.987000	44.33	24.35	0.2	10.5	11.67	56.0	21.65	46.0
2.089500	46.05	16.62	0.2	10.5	9.95	56.0	29.38	46.0
16.27800 0	44.90	19.80	0.5	11.2	15.10	60.0	30.20	50.0

**Test Result: PASS** 



### 5. RADIATED EMISSION

#### **5.1.1** 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:

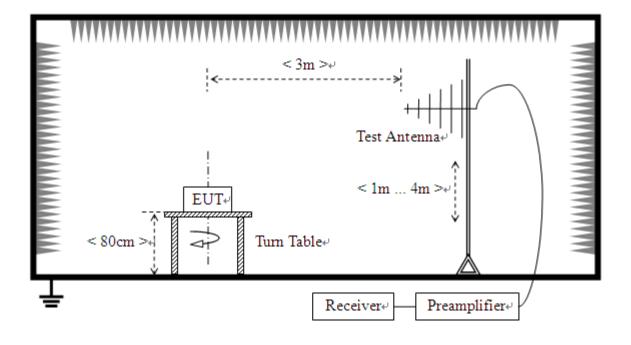
RF Power generated by equipment(watts)	Field strength limit(uV/m) @300m
Below 500	25
500or more	25*SQRT (power/500)

Power = 731.29W

Limit=20lg (25\*SQRT (power/500)) +20lg (300/3) @ 3m distance.

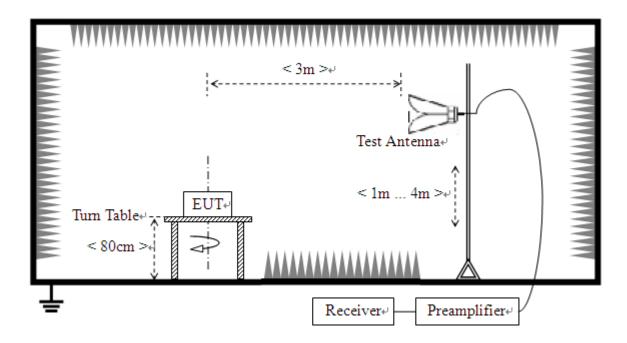
## 5.1.2 Test Setup

For radiated emissions from 30MHz to1GHz





For radiated emissions above 1GHz



#### **5.1.3** Test Procedure

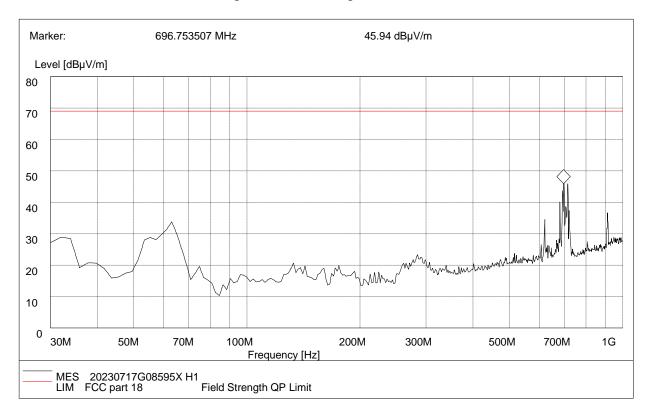
- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b.The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement
- d.The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e.If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the 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



#### **Test Result:**

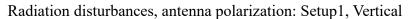
Radiation disturbances, antenna polarization: Setup1, Horizontal

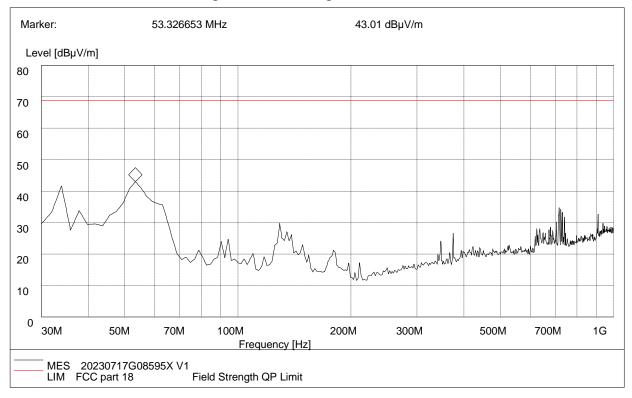


(Plot A: Test Antenna Horizontal 30M - 1G)

Frequency (MHz)	Quasi Peak (dBµV/m)	Bandwidth (kHz)	Antenna height (cm)	Limit (dBµV/m)	Margin (dB)	Antenna	Horizontal
31.94	27.85	120.000	100.0	69.61	41.76	Horizontal	Pass
37.77	19.75	120.000	100.0	69.61	49.86	Horizontal	Pass
55.27	27.81	120.000	100.0	69.61	41.80	Horizontal	Pass
63.04	32.80	120.000	100.0	69.61	36.81	Horizontal	Pass
696.75	44.94	120.000	100.0	69.61	24.67	Horizontal	Pass
714.24	44.80	120.000	100.0	69.61	24.81	Horizontal	Pass



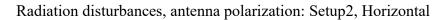


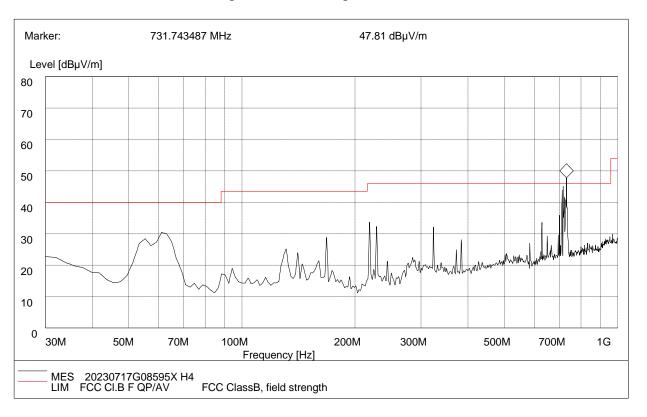


(Plot B: Test Antenna Vertical 30M - 1G)

Frequency (MHz)	Quasi Peak (dBµV/m)	Bandwidth (kHz)	Antenna height (cm)	Limit (dBµV/m)	Margin (dB)	Antenna	Vertical
33.88	40.66	120.000	100.0	69.61	28.95	Vertical	Pass
37.64	32.79	120.000	100.0	69.61	36.82	Vertical	Pass
53.32	42.01	120.000	100.0	69.61	27.60	Vertical	Pass
94.14	23.76	120.000	100.0	69.61	45.85	Vertical	Pass
129.13	28.80	120.000	100.0	69.61	40.81	Vertical	Pass
716.19	33.76	120.000	100.0	69.61	35.85	Vertical	Pass



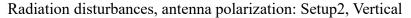


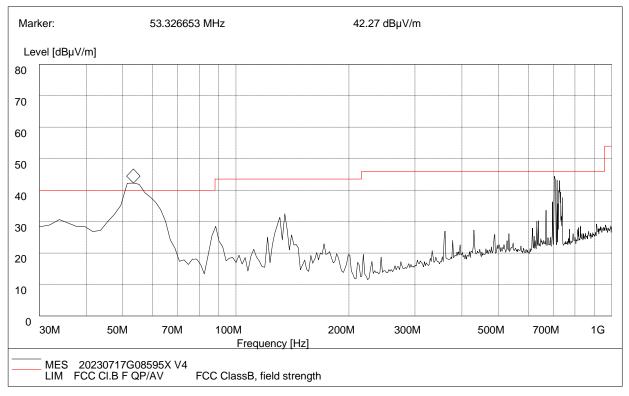


(Plot C: Test Antenna Horizonal30M - 1G)

Frequency (MHz)	Quasi Peak (dBµV/m)	Bandwidth (kHz)	Antenna height (cm)	Limit (dBµV/m)	Margin (dB)	Antenna	Horizonal
55.27	27.45	120.000	100.0	40.00	12.55	Horizontal	Pass
61.10	29.43	120.000	100.0	40.00	10.57	Horizontal	Pass
131.08	24.13	120.000	100.0	43.50	19.37	Horizontal	Pass
168.01	27.82	120.000	100.0	43.50	15.68	Horizontal	Pass
218.55	32.74	120.000	100.0	46.00	13.26	Horizontal	Pass
731.74	36.81	120.000	100.0	46.00	9.19	Horizontal	Pass







(Plot D: Test Antenna Vertical30M - 1G)

Frequency (MHz)	Quasi Peak (dBµV/m)	Bandwidth (kHz)	Antenna height (cm)	Limit (dBµV/m)	Margin (dB)	Antenna	Vertical
33.88	29.63	120.000	100.0	40.00	10.37	Vertical	Pass
53.32	35.23	120.000	100.0	40.00	4.77	Vertical	Pass
88.31	27.48	120.000	100.0	43.50	16.02	Vertical	Pass
134.96	31.46	120.000	100.0	43.50	12.04	Vertical	Pass
669.53	32.62	120.000	100.0	46.00	13.38	Vertical	Pass
704.55	36.42	120.000	100.0	46.00	9.58	Vertical	Pass



# Above 1GHz, Setup1

NO.	Freq. [MHz]	Level [dBµV/m]	Factor [dB]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	2458.11	49.41	-10.78	69.61	20.20	100	19	Horizontal
2	9680.67	55.44	3.76	69.61	14.17	100	76	Horizontal
3	9863.47	60.21	4.97	69.61	9.40	100	50	Horizontal
4	12337.58	61.23	5.74	69.61	8.38	100	34	Horizontal
5	14790.45	61.15	8.05	69.61	8.46	100	159	Horizontal
6	17251.81	60.77	10.96	69.61	8.84	100	78	Horizontal

NO	Freq.	Level	Factor	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV/m]	[dB]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1	3125.53	59.95	-8.10	69.61	9.76	100	67	Vertical
2	4235.06	59.76	-3.70	69.61	9.95	100	78	Vertical
3	4885.47	61.65	-1.69	69.61	8.06	100	59	Vertical
4	5969.49	61.40	-0.39	69.61	8.31	100	320	Vertical
5	8413.85	61.32	3.50	69.61	8.39	100	67	Vertical
6	9778.44	60.35	4.09	69.61	9.36	100	164	Vertical

# **Above 1GHz**Setup2 (See Remark 3)

NO.	Freq.	Level	Limit	Margin	Height	Angle	Dolority
NO.	[MHz]	[dBµV/m]	[dBµV/m]	[dB]	[cm]	[°]	Polarity
1		1		1	1	1	Vertical
2	-						Vertical
3							Vertical
4		-				-	Vertical
5		-		-	-	1	Vertical
6							Vertical

NO.	Freq. [MHz]	Level [dBµV/m]	Limit [dBµV/m]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1			-				Horizontal
2							Horizontal
3							Horizontal
4							Horizontal
5							Horizontal
6							Horizontal



#### **REMARKS:**

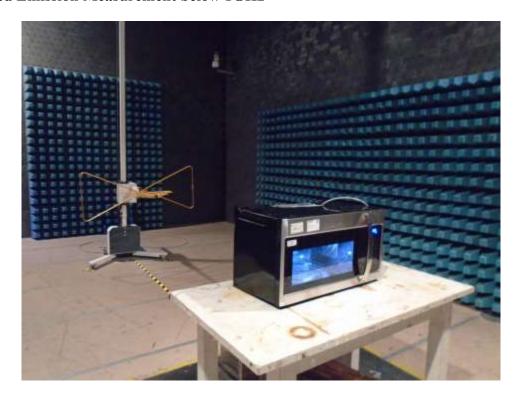
- 1. Emission Level(dBuV/m) = Raw Value(dBuV) + Correction Factor(dB/m)
- 2. Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB)
  - Pre-Amplifier Factor(dB)
- 3.For Set up 2, The EUT's internal highest frequency is less than 108MHz, so test frequency range is up to 1000MHz.Other frequency reading was too low against the official limit that not recorded.



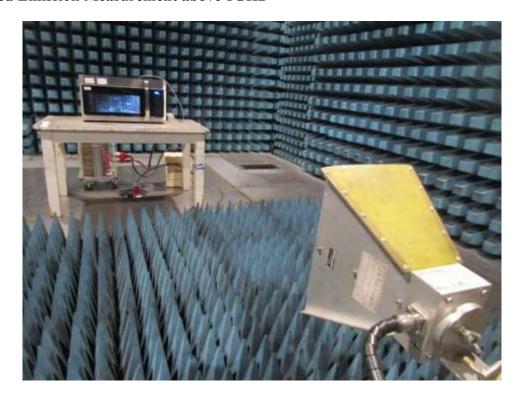


# APPENDIX I: PHOTOGRAPHS OF EMC TEST CONFIGURATION

#### 1. Radiated Emission Measurement below 1GHz

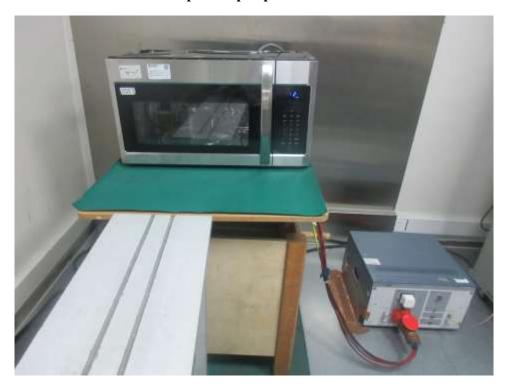


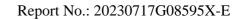
### 2. Radiated Emission Measurement above 1GHz





# 3. Conducted emission at AC mains input/output port Measurement





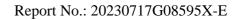


# APPENDIX II: PHOTOGRAPHS OF PRODUCT PHOTO





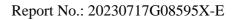








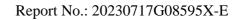








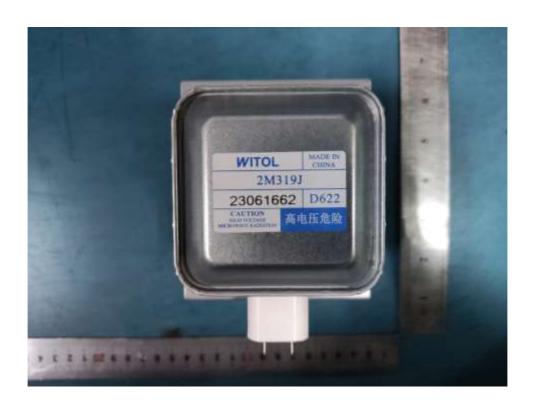


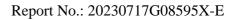




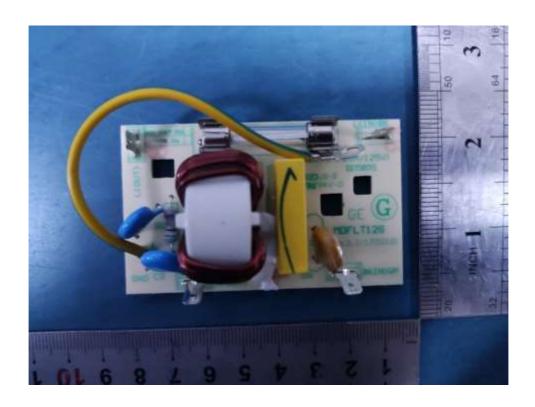
# **Internal Photo**

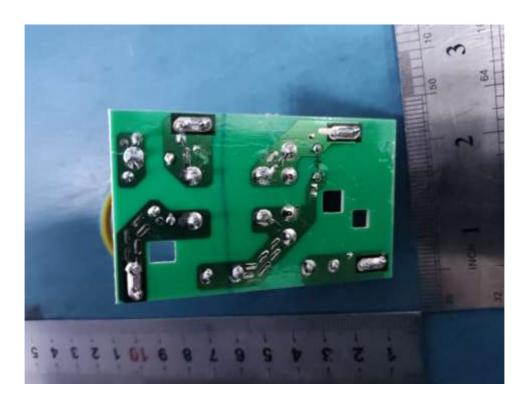


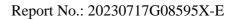








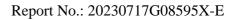






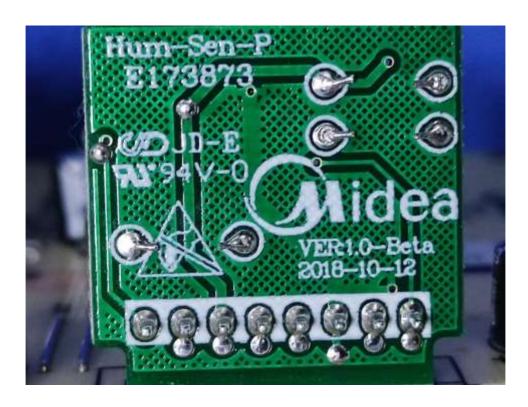


















**\*\*\*** End of Report **\*\*\***