FCC Test Report

ClientInformation:

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

Applicant add.: No.6, Yong An Road, Beijiao, Shunde, Foshan, Guangdong, China 528311

ProductInformation:

EUT Name: Microwave Oven

Model No.: EM925A2GK-P00A

Brand Name: /

FCC ID: VG8EM925AYYGE

Standards: 47 CFR PART 18:2018

Prepared By:

UL Verification Services (Guangzhou) Co., Ltd, Song Shan Lake Branch

Add. : Room 101, Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China

Date of Receipt: Apr. 17, 2018 Date of Test: Apr. 17~Apr. 19, 2018

Date of Issue: Apr.20, 2018 Test Result: Pass

This device described above has been tested by Shenzhen STS Test Services Co., Ltd., 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.

Tested By:

Chris chen
Engineer Project Associate

Checked By:

Shawn Wen
Laboratory Leader

Approved By:

Stephen Guo

Laboratory Manager

Table of Contents

Table of Contents

1 TEST SUMMARY

Electromagnetic Interference (EMI)				
Test	**Test Requirement**	**Test Method**	**Class / Severity**	**Result**
Conducted Emission (150 kHz to 30 MHz)	47 CFR PART 18: 2018	FCC OST/ MP-5:1986	18.307(b)	PASS
Radiated Emission (9 kHz to 30 MHz)	47 CFR PART 18: 2018	FCC OST/ MP-5:1986	18.305(b)	PASS
Radiated Emission (30 MHz to 1 GHz)	47 CFR PART 18: 2018	FCC OST/ MP-5:1986	18.305(b)	PASS
Radiated Emission (1 GHz to 25 GHz)	47 CFR PART 18: 2018	FCC OST/ MP-5:1986	18.305(b)	PASS
Radiation Hazard	47 CFR PART 18: 2018	FCC OST/ MP-5:1986	Clause 3.1 of OST/ MP-5:1986	PASS
Operating Frequency	47 CFR PART 18: 2018	FCC OST/ MP-5:1986	Clause 4.5 of OST/ MP-5:1986	PASS
Output Power Measurement	47 CFR PART 18: 2018	FCC OST/ MP-5:1986	Clause 4.3 of OST/ MP-5:1986	PASS

Remark :

EUT: In this whole report EUT means Equipment Under Test.

Model named description:

2 GENERAL INFORMATION

2.1 CLIENT INFORMATION

Applicant:	Guangdong Midea Kitchen Appliances Manufacturing Co.,Ltd.
Address of Applicant:	No.6, Yong An Road, Beijiao, Shunde, Foshan, Guangdong, China 528311

2.2 GENERAL DESCRIPTION OF E.U.T.

Product Description:	Microwave Oven
Model No.:	EM925A2GK-P00A
Magnetron Model	2M219J
Magnetron Manufacturer	WITOL

2.3 DETAILS OF E.U.T.

Rated Supply (Voltage):	120V 60Hz input 1350W output 900W
Power Cable:	1.0m x 3 wires unscreened AC mains cable.

2.4 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

2.5 DEVIATION FROM STANDARDS

None.

2.6 GENERAL TEST CLIMATE DURING TESTING

Temperature: 15-30 °C Humidity: 30~70 %RH Atmospheric Pressure: 860-1060 mbar

2.7 ABNORMALITIES FROM STANDARD CONDITIONS

None.

2.8 TEST LOCATION

Shenzhen STS Test Services Co., Ltd.

1/F., Building B, Zhuoke Science Park, No. 190, Chongqing Road, Fuyong Street,

Bao'an District, Shenzhen, Guangdong, China

2.9 TEST FACILITY

A2LA (Certificate No.: 4338.01)

3 EQUIPMENT LIST

Test Equipment	Model	Manufacturer	Serial No.	Cal Until
EMC Laboratory				
Radiation Test Equipment				
EMI Test Receiver	ESCI	R&S	101427	2018/10/14
Bilog Antenna	CBL6111D	TESEQ	34678	2018/11/01
Horn Antenna	BBHA 9120D	SCHWARZBECK	343	2018/10/26
Spectrum Analyzer	E4407B	Agilent	MY50140340	2019/03/07
Pre-mplifier(1G-18G)	8449B	Agilent	60538	2018/10/26
Spectrum Analyzer	N9020A	Agilent	MY49100060	2019/03/07
Pre-mplifier(0.1M-3GHz)	EM330	EM	--	2019/03/10
Loop Antenna	ZN3090C	ZHNAN	16035	2019/03/10
MEASUREMENT UNCERTAINTY	30M-200MHz			3.73
	200MHz-1000MHz			3.92
	1GHz-6GHz			3.31

Test Equipment	Model	Manufacturer	Serial No.	Cal Until
Conduction Test equipment				
EMI Test Receiver	ESCI	R&S	102086	2018/10/14
LISN	ENV216	R&S	101242	2018/10/14
LISN	3810/2NM	EMCO	23625	2018/10/14
Absorbing clamp	MDS-21	R&S	100668	2018/10/18
Power meter	PF9901	STS S094	G100731CJ351244	2019/03/10
MEASUREMENT UNCERTAINTY	150KHz-30MHz		2.67	
	9KHz-150KHz		2.88	

Test Equipment	Manufacturer	Model	Serial No.	Cal Until
Radiation Hazard and Output Power Test equipment				
Power meter	STS S094	PF9901	G100731CJ351244	2019/03/10
Power Meter	Ainuo	AN8720P	058704074	2019/03/10
Microwave Measurement system	HOLADAY	HI-1710	98371	2019/03/10

4 EMISSION TEST RESULTS

4.1 OPERATING FREQUENCY

Test Requirement:	47 CFR PART 18
Test Method:	FCC OST/ MP-5
Test Date:	2018-04-18
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 the frequency band 2400-2500MHz is allocated for use by ISM equipment. (§18.301)

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

4.1.1 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)
2417	2479

4.1.2 FREQUENCY FOR LINE VOLTAGE

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

MEASUREMENT DATA

START Frequency (MHz)	**STOP** Frequency (MHz)
2430.5	2467.4

4.2 RADIATION HAZARD TEST

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5
Test Date: 2018-04-18
Power Supply: AC 120V 60Hz
Test Frequency Range: N/A

TEMP:	**26°C**	**HUMIDITY:**	**55%**
AIR :	**101kPa**	**EUT DESIGNATION:**	**Indoor used**
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 microwave meter will check the leakage and then record the maximum leakage.**		
RESULTS:	**There was no microwave leakage exceeding a power level of 0.58mW/cm2 observed at any point 5 cm 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:	**N/A**		
M. UNCERTAINTY:	**0.0002 mW/cm2**		

4.3 RF OUTPUT POWER MEASUREMENT

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5
Test Date: 2018-04-18
Power Supply: AC 120V 60Hz

4.3.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.3.2 MEASUREMENT DATA

Mass of water(g)	Mass of the container(g)	Ambient temperature(℃)	Initial temperature(℃)	Final temperature(℃)	Heating time(S)	Power output(watts)
1000	480	23.6	20	43	120	874.84

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

T_0 is the ambient temperature, in degrees Celsius

T_1 is the initial temperature of the water, in degrees Celsius

T_2 is the final temperature of the water, in degrees Celsius

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

4.4 CONDUCTED EMISSIONS, 150 KHZ TO 30MHZ

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5
Test Date: 2018-04-18
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)

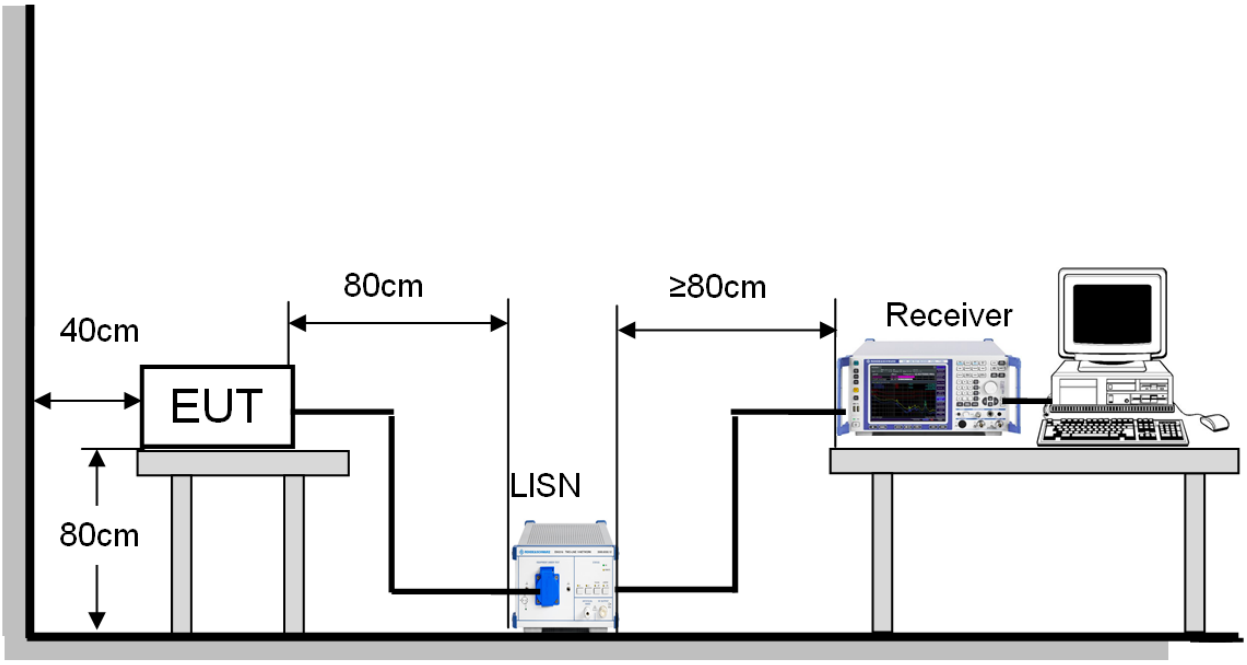
Limit:

Frequency range MHz	**AC mains terminals** dB (μV)	
	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.		

4.4.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.4.2 TEST SETUP AND PROCEDURE



1. The mains terminal disturbance voltage test was conducted in a shielded room.
2. The EUT was connected to nominal power supply through a LISN 1 (Line Impedance Stabilization Network) which provides a 50Ω/50μH + 5Ω linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
3. The tabletop EUT was placed upon a non-metallic table 1 m 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. The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISN mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.

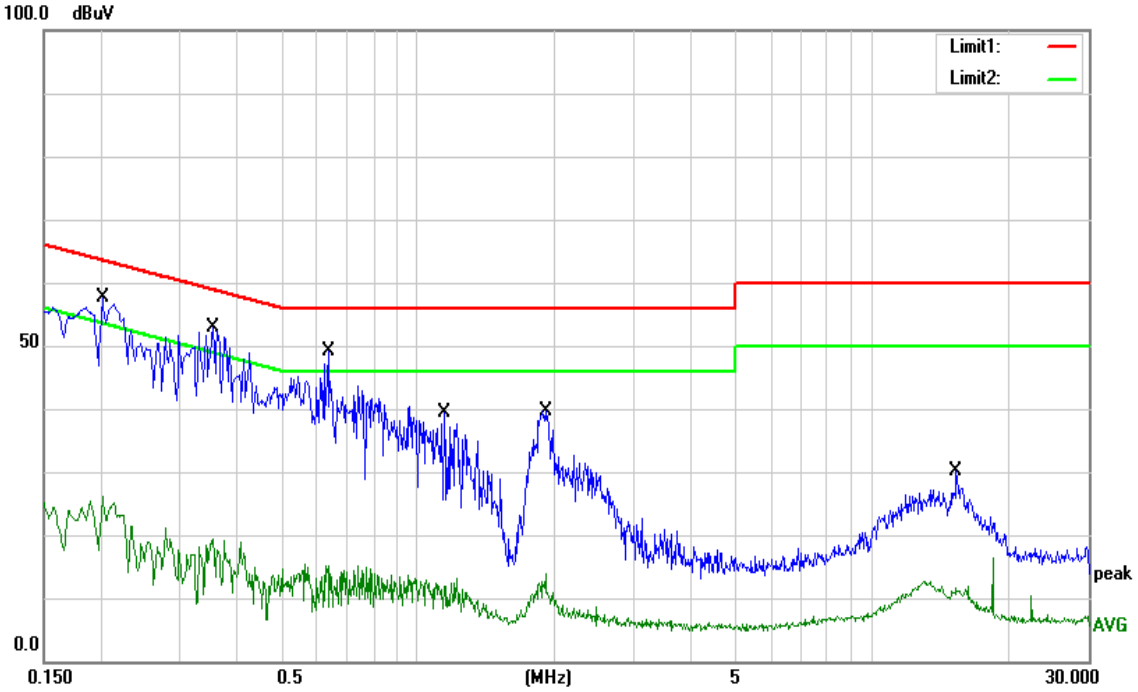
4.4.3 MEASUREMENT DATA

Pre-scan was performed with peak detected on both live and neutral cable. Quasi-peak & average measurements were performed at the frequencies which maximum peak emission level was detected.

Please see the attached Quasi-peak and Average test results.

Live line:

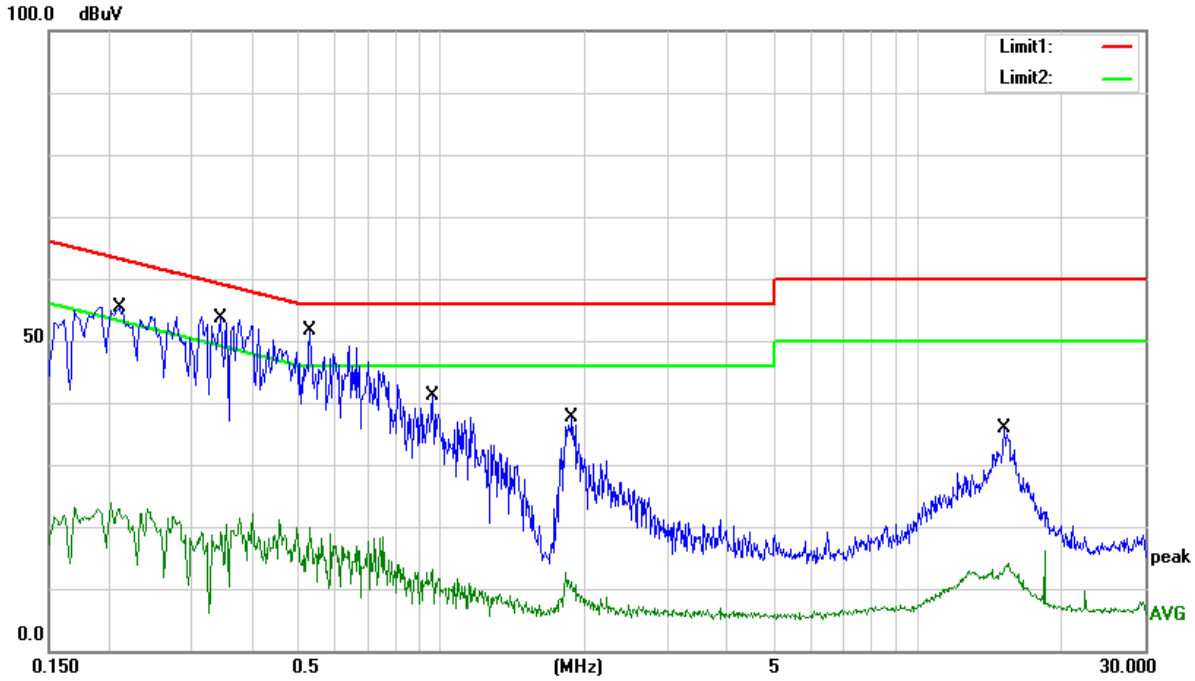
Peak Scan



Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2020	47.73	9.79	57.52	63.53	-6.01	QP
2	0.2020	14.40	9.79	24.19	53.53	-29.34	AVG
3	0.3540	42.51	10.12	52.63	58.87	-6.24	QP
4	0.3540	9.17	10.12	19.29	48.87	-29.58	AVG
5	0.6340	39.10	9.90	49.00	56.00	-7.00	QP
6	0.6340	-1.18	9.90	8.72	46.00	-37.28	AVG
7	1.1420	29.54	9.80	39.34	56.00	-16.66	QP
8	1.1420	2.16	9.80	11.96	46.00	-34.04	AVG
9	1.9180	29.97	9.78	39.75	56.00	-16.25	QP
10	1.9180	1.05	9.78	10.83	46.00	-35.17	AVG
11	15.3100	19.88	10.25	30.13	60.00	-29.87	QP
12	15.3100	1.35	10.25	11.60	50.00	-38.40	AVG

Neutral line:
Peak Scan



Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.2116	45.47	9.83	55.30	63.14	-7.84	QP
2	0.2116	12.87	9.83	22.70	53.14	-30.44	AVG
3	0.3460	43.74	10.13	53.87	59.06	-5.19	QP
4	0.3460	8.99	10.13	19.12	49.06	-29.94	AVG
5	0.5300	41.60	10.00	51.60	56.00	-4.40	QP
6	0.5300	9.86	10.00	19.86	46.00	-26.14	AVG
7	0.9620	31.37	9.81	41.18	56.00	-14.82	QP
8	0.9620	-2.27	9.81	7.54	46.00	-38.46	AVG
9	1.8780	27.80	9.78	37.58	56.00	-18.42	QP
10	1.8780	1.32	9.78	11.10	46.00	-34.90	AVG
11	15.1620	25.71	10.25	35.96	60.00	-24.04	QP
12	15.1620	3.32	10.25	13.57	50.00	-36.43	AVG

4.5 RADIATED EMISSIONS, 9 KHZ TO 25GHZ

Test Requirement:	47 CFR PART 18
Test Method:	FCC OST/ MP-5
Power Supply:	AC 120V 60Hz
Test Date:	2018-04-18
Frequency Range:	9 KHz to 25GHz
Measurement Distance:	3m
Detector:	Peak for pre-scan, Average for the final result (200 Hz Resolution Bandwidth for 9 kHz to 150 kHz 9 kHz Resolution Bandwidth for 150 kHz to 30 MHz 100 kHz Resolution Bandwidth for 30MHz to 1,000MHz 1 MHz Resolution Bandwidth for 1,000MHz to 25,000MHz)
Limit:	(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)

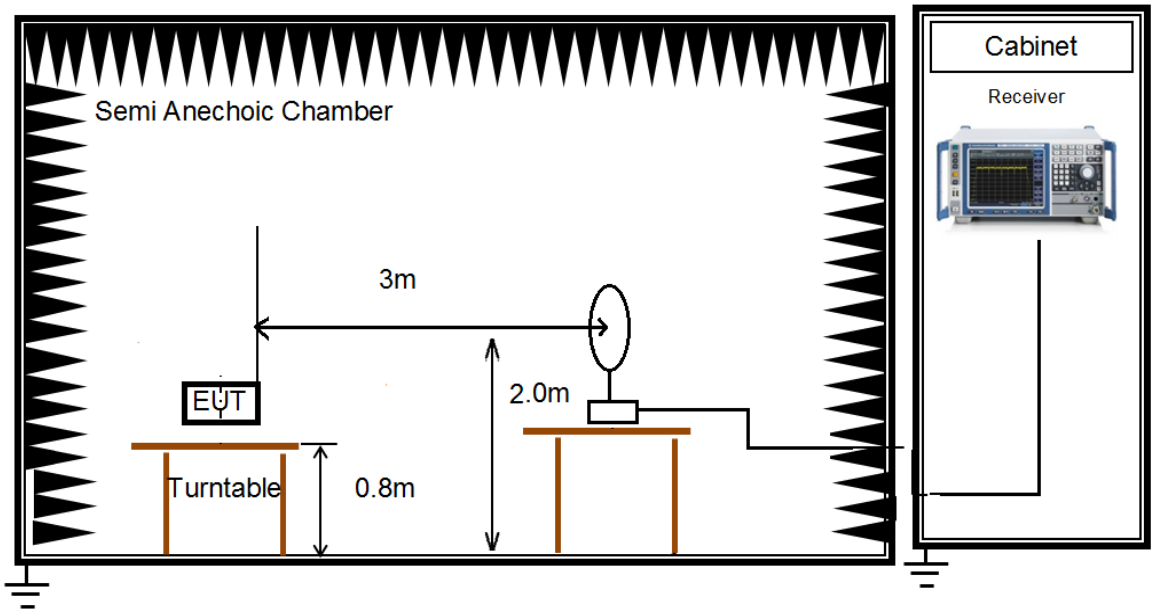
(c) 3m Limit:70.40 dBuV/m
according to cluse7.2.2
Limit=20lg(25*SQRT(power/500))+20lg(300/3) @ 3m distance.
Power =874.84W

4.5.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.5.2 TEST SETUP AND PROCEDURE

9 KHz to 30 MHz

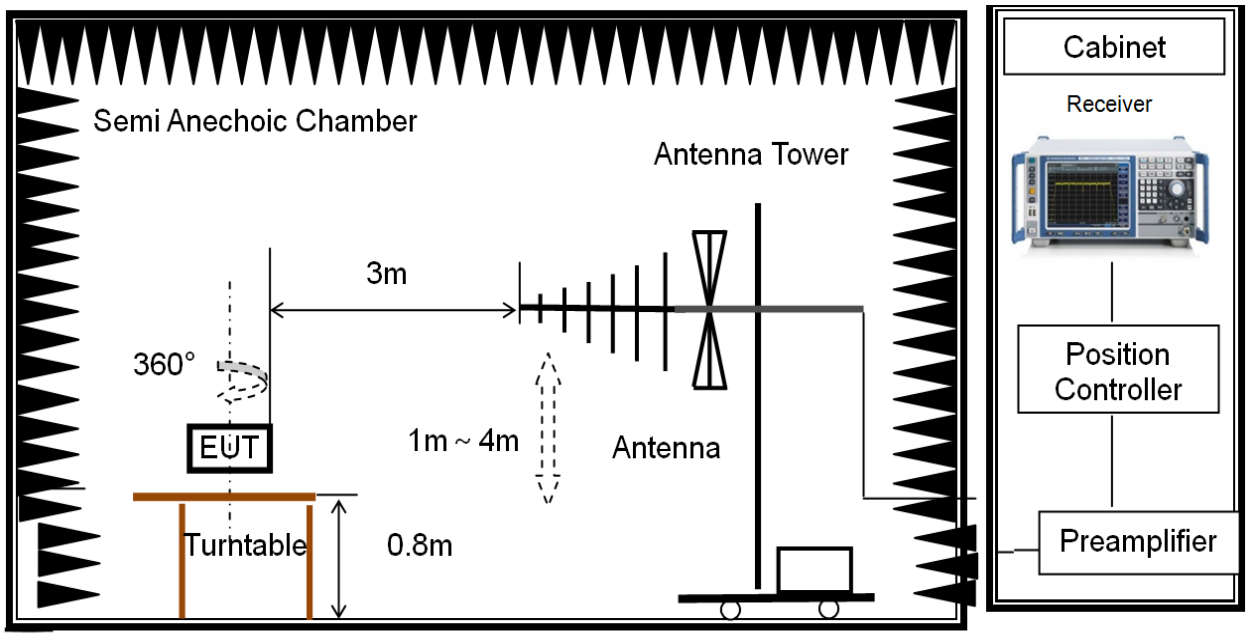


1. The magnetic emissions test was conducted in a semi-anechoic chamber.
2. The EUT was connected to AC power source through a mains power outlet which was bonded to the ground reference plane; The mains cables shall drape to the ground reference plane.
3. The tabletop EUT was placed upon a non-metallic table 1 m 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 magnetic emissions, a pre-scan was performed in the spectrum mode with the peak detector to find out the maximum emission spectrum signature data plots of the EUT.

   The frequencies of maximum emission were determined in the final magnetic emissions measurement, The physical arrangement of the test system and associated cabling was varied in order to determine the effect on the EUT's emissions in amplitude, direction and frequency. At each frequency, the EUT was rotated 360°, the antenna was supported in the vertical plane and be rotatable about a vertical axis. The antenna height was set at around 2 m above the ground reference plane.

30MHz to 1 GHz:

30 MHz to 1 GHz

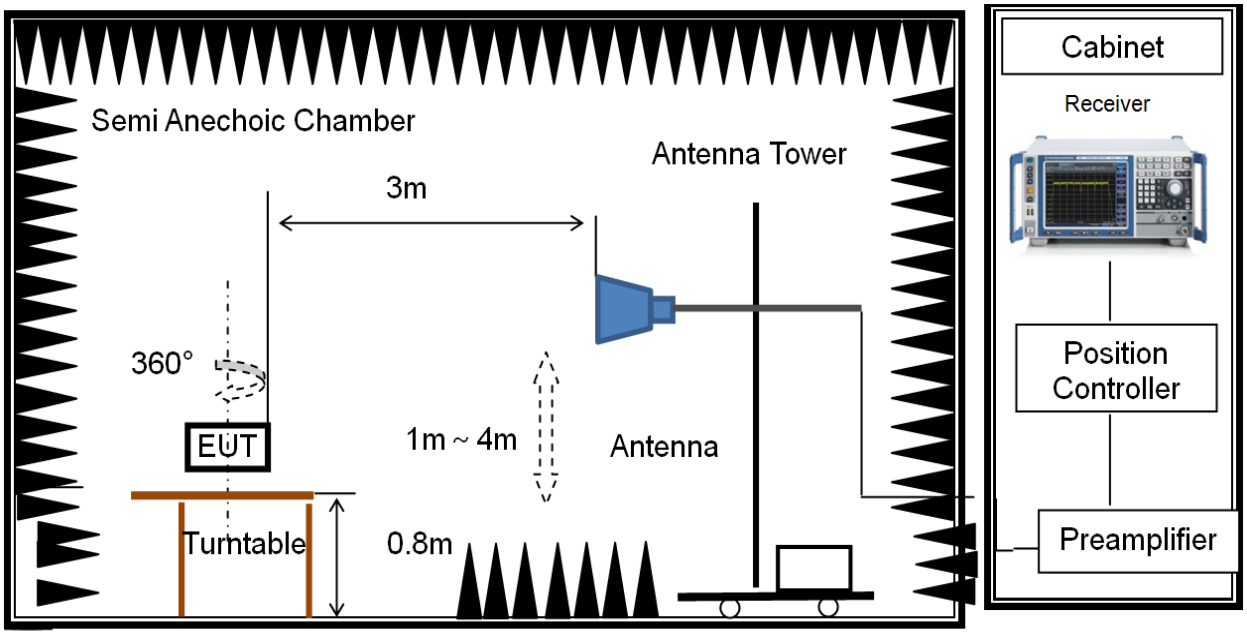


1. The radiated emissions test was conducted in a semi-anechoic chamber.
2. Biconical and log periodic antenna was used for the frequency range from 30MHz to 1GHz
3. The EUT was connected to nominal power supply through a mains power outlet which was bonded to the ground reference plane; The mains cables 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 performedfor both horizontal andvertical 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.
5. 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 performedfor both horizontal and vertical antenna polarization.

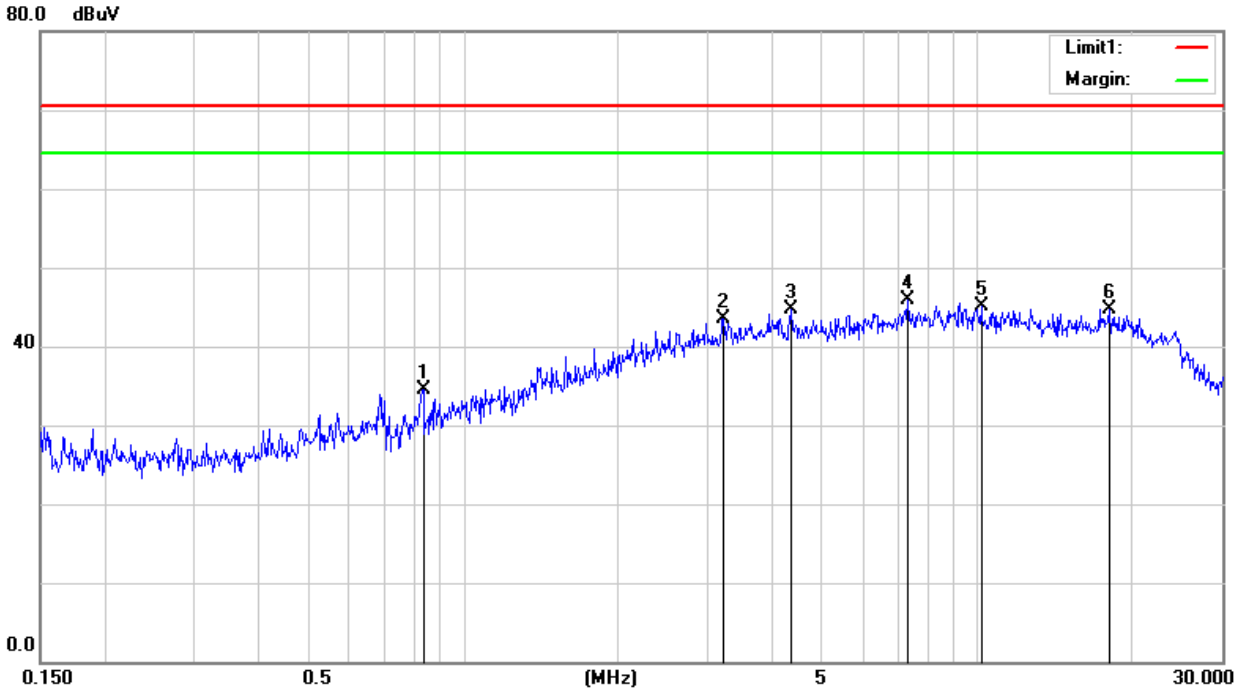
4.5.3 MEASUREMENT DATA

150 KHz to 30 MHz:

Horizontal:

Peak scan

Level (dBµV/m)



Average measurement

Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

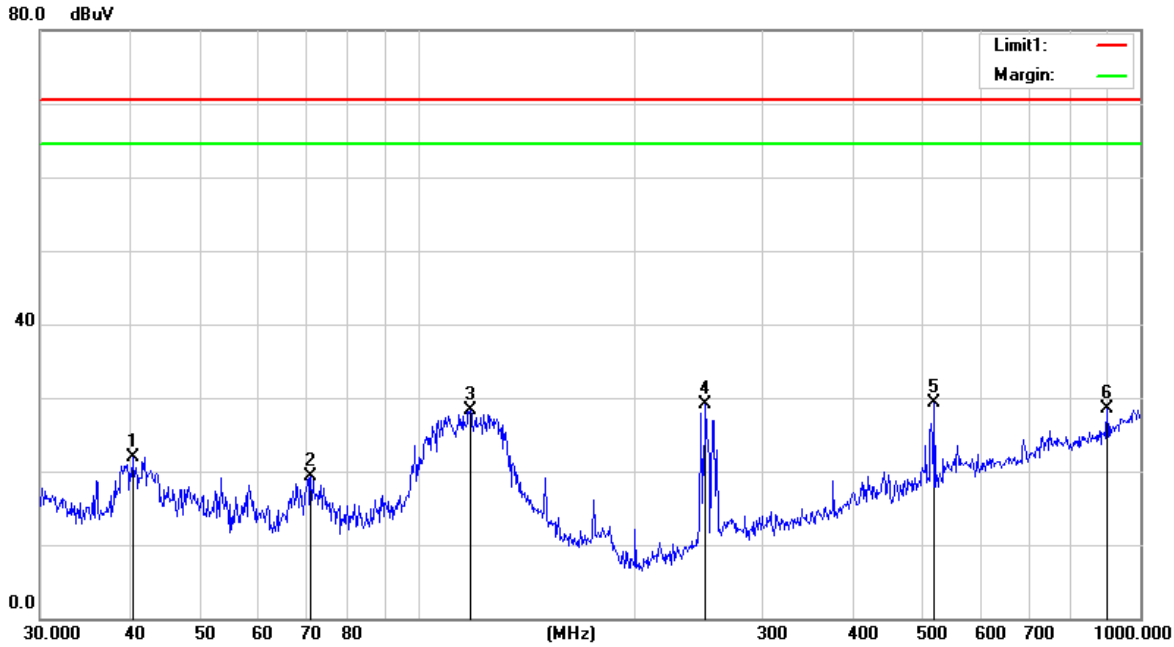
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.8350	-10.00	44.46	34.46	70.40	-35.94	QP
1	0.8350	-11.87	44.46	32.59	70.40	-37.81	AVG
2	3.2070	7.85	35.56	43.41	70.40	-26.99	QP
2	3.2070	-2.40	44.46	42.06	70.40	-28.34	AVG
3	4.3376	12.70	32.06	44.76	70.40	-25.64	QP
3	4.3376	-2.10	44.46	42.36	70.40	-28.04	AVG
4	7.3290	15.85	30.08	45.93	70.40	-24.47	QP
4	7.3290	-0.34	44.46	44.12	70.40	-26.28	AVG
5	10.1791	27.71	17.43	45.14	70.40	-25.26	QP
5	10.1791	-0.79	44.46	43.67	70.40	-26.73	AVG
6	18.0393	29.80	14.94	44.74	70.40	-25.66	QP
6	18.0393	-1.94	44.46	42.52	70.40	-27.88	AVG

30MHz to 1000MHz:

Vertical:

Peak scan

Level (dBμV/m)



Average measurement

Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

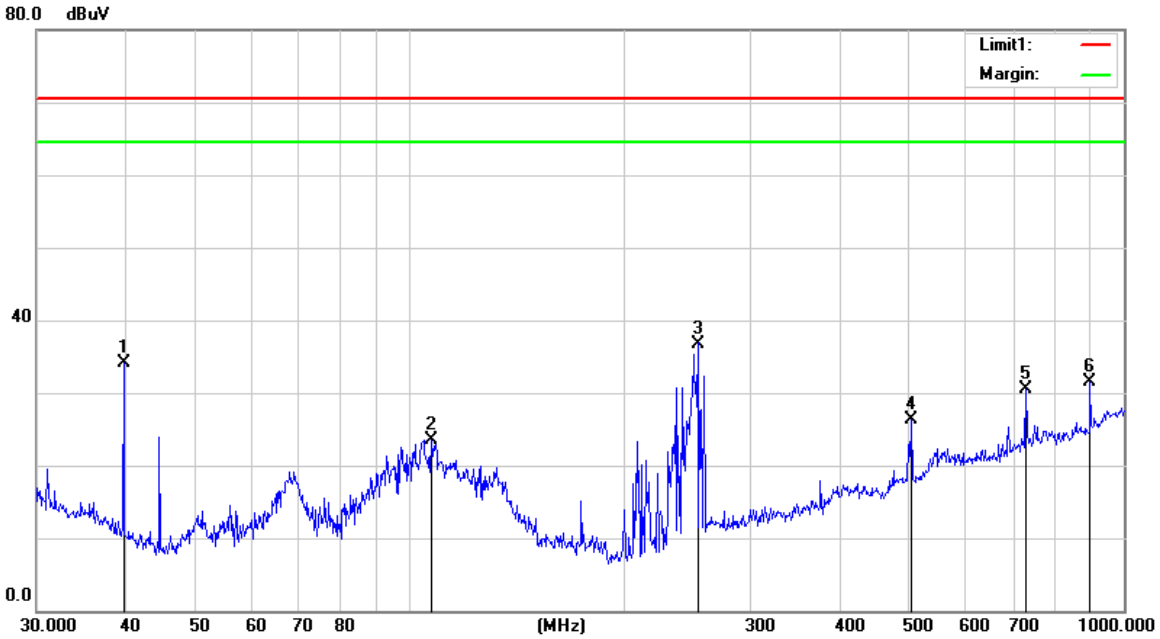
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	40.2757	38.45	-16.47	21.98	70.40	-48.42	QP
1	40.2757	36.22	-16.47	19.75	70.40	-50.65	AVG
2	71.0803	43.18	-23.94	19.24	70.40	-51.16	QP
2	71.0803	40.98	-23.94	17.04	70.40	-53.36	AVG
3	118.1862	46.06	-17.81	28.25	70.40	-42.15	QP
3	118.1862	44.06	-17.81	26.25	70.40	-44.15	AVG
4	250.3012	45.31	-16.29	29.02	70.40	-41.38	QP
4	250.3012	44.23	-16.29	27.94	70.40	-42.46	AVG
5	519.0650	38.17	-8.85	29.32	70.40	-41.08	QP
5	519.0650	37.06	-8.85	28.21	70.40	-42.19	AVG
6	900.1474	30.83	-2.26	28.57	70.40	-41.83	QP
6	900.1474	28.67	-2.26	26.41	70.40	-43.99	AVG

30 MHz to 1000 MHz:

Horizontal:

Peak scan

Level (dBµV/m)



Average measurement

Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

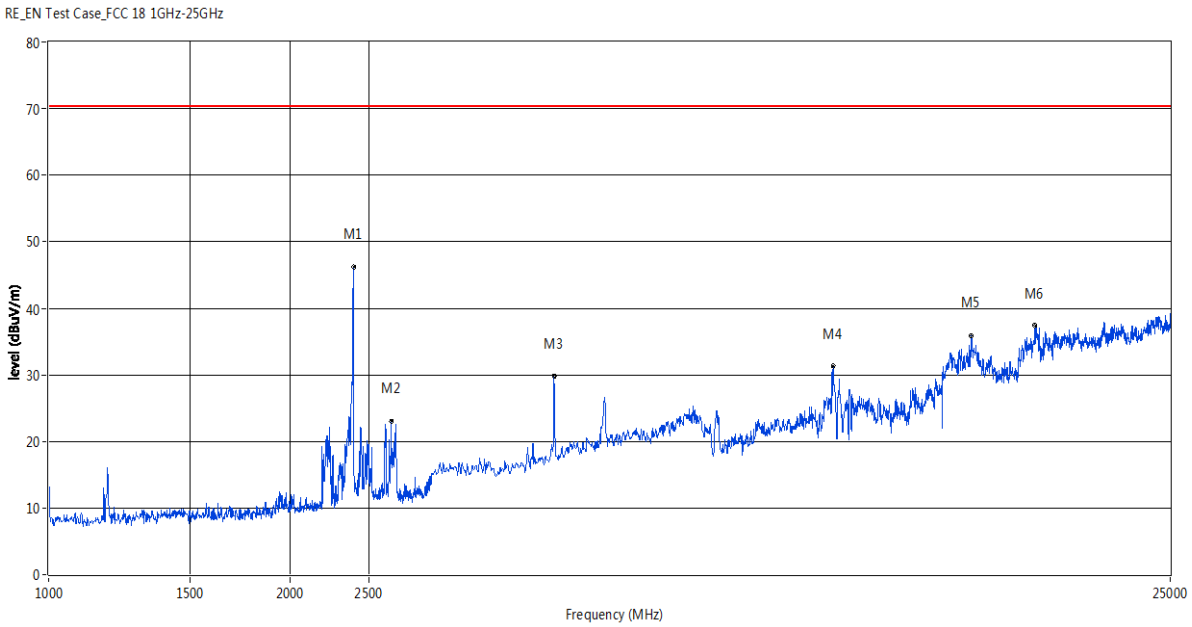
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	39.7146	50.28	-16.17	34.11	70.40	-36.29	QP
1	39.7146	48.23	-16.17	32.06	70.40	-38.34	AVG
2	107.1337	42.04	-18.58	23.46	70.40	-46.94	QP
2	107.1337	39.85	-18.58	21.27	70.40	-49.13	AVG
3	252.9482	52.75	-15.95	36.80	70.40	-33.60	QP
3	252.9482	50.24	-15.95	34.29	70.40	-36.11	AVG
4	504.7062	35.12	-8.89	26.23	70.40	-44.17	QP
4	504.7062	33.07	-8.89	24.18	70.40	-46.22	AVG
5	729.3583	34.61	-4.11	30.50	70.40	-39.90	QP
5	729.3583	32.97	-4.11	28.86	70.40	-41.54	AVG
6	896.9965	33.80	-2.30	31.50	70.40	-38.90	QP
6	896.9965	31.99	-2.30	29.69	70.40	-40.71	AVG

1000MHZ to 25000MHz:

Vertical:

Peak scan

Level (dBμV/m)



Average measurement

Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

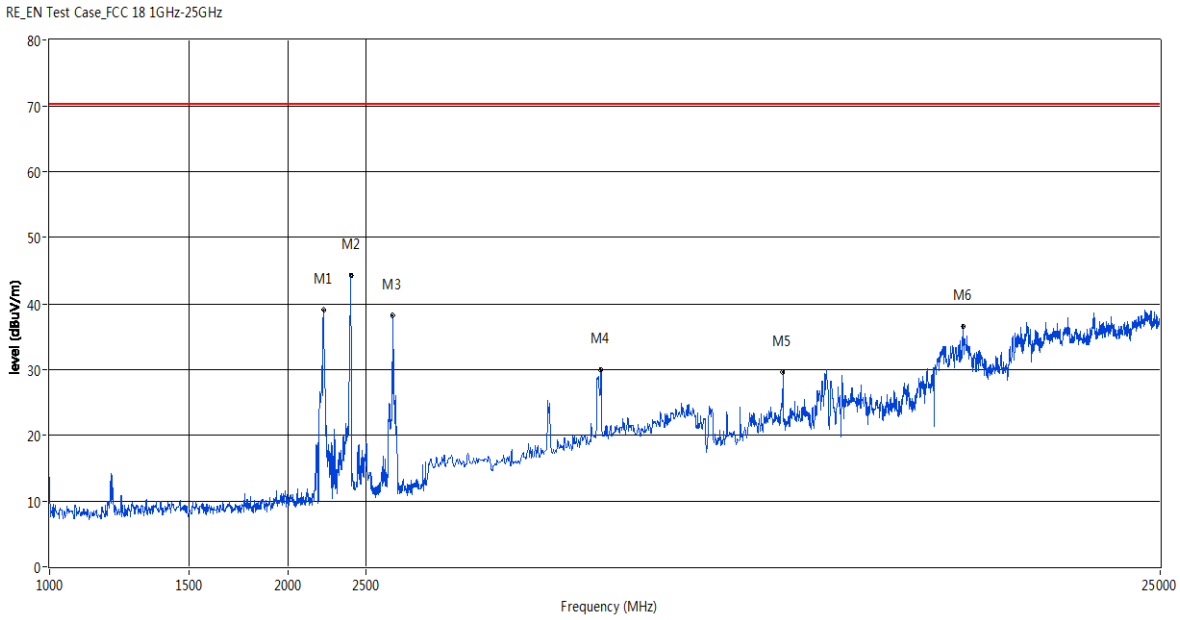
No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	ANT	Verdict
1	2394.605	46.18	-34.24	70.40	-24.22	Peak	Vertical	Pass
1	2394.605	37.59	-34.24	70.40	-32.81	AVG	Vertical	Pass
2	2668.332	23.05	-34.56	70.40	-47.35	Peak	Vertical	Pass
2	2668.332	14.67	-34.56	70.40	-55.73	AVG	Vertical	Pass
3	4258.741	29.79	-25.04	70.40	-40.61	Peak	Vertical	Pass
3	4258.741	21.48	-25.04	70.40	-48.92	AVG	Vertical	Pass
4	9503.497	31.27	-12.39	70.40	-39.13	Peak	Vertical	Pass
4	9503.497	22.18	-12.39	70.40	-48.22	AVG	Vertical	Pass
5	14114.885	35.93	-5.34	70.40	-34.47	Peak	Vertical	Pass
5	14114.885	27.95	-5.34	70.40	-42.45	AVG	Vertical	Pass
6	16944.056	37.33	-8.90	70.40	-33.07	Peak	Vertical	Pass
6	16944.056	27.04	-8.90	70.40	-43.36	AVG	Vertical	Pass

1000MHZ to 25000MHz:

Horizontal:

Peak scan

Level (dBμV/m)



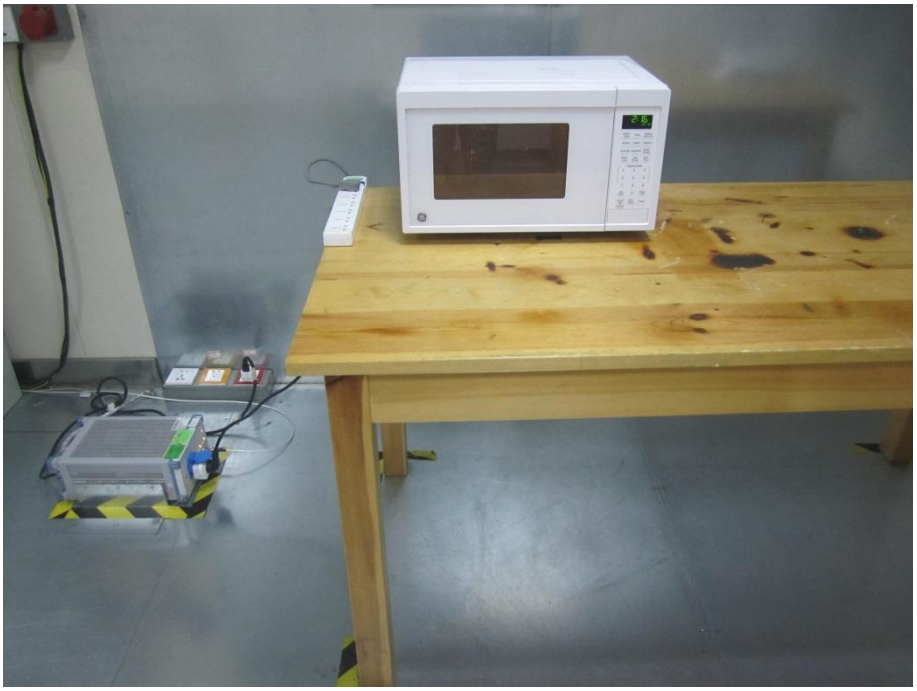
Average measurement

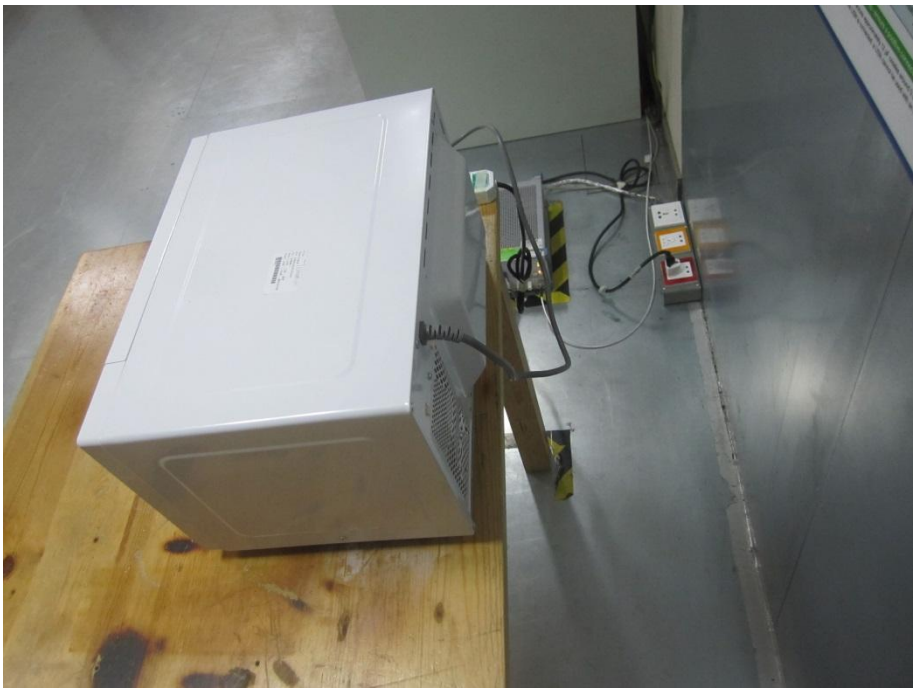
Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	ANT	Verdict
1	2212.787	39.13	-36.66	70.40	-31.27	Peak	Horizontal	Pass
1	2212.787	28.78	-36.66	70.40	-41.62	AVG	Horizontal	Pass
2	2394.605	44.25	-34.24	70.40	-26.15	Peak	Horizontal	Pass
2	2394.605	35.62	-34.24	70.40	-34.78	AVG	Horizontal	Pass
3	2704.296	38.18	-34.49	70.40	-32.22	Peak	Horizontal	Pass
3	2704.296	29.47	-34.49	70.40	-40.93	AVG	Horizontal	Pass
4	4948.052	29.92	-23.33	70.40	-40.48	Peak	Horizontal	Pass
4	4948.052	20.74	-23.33	70.40	-49.66	AVG	Horizontal	Pass
5	8384.615	29.54	-20.52	70.40	-40.86	Peak	Horizontal	Pass
5	8384.615	21.35	-20.52	70.40	-49.05	AVG	Horizontal	Pass
6	14126.873	36.49	-5.45	70.40	-33.91	Peak	Horizontal	Pass
6	14126.873	28.07	-5.45	70.40	-42.33	AVG	Horizontal	Pass

5 PHOTOGRAPHS

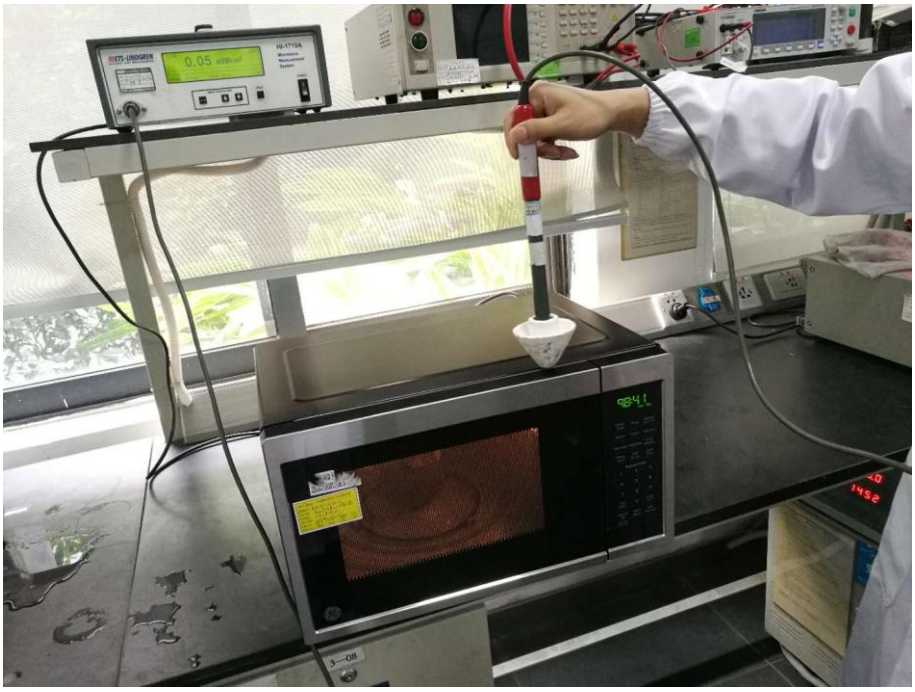
5.1 CONDUCTED EMISSIONS, 150 KHZ TO 30 MHZ TEST SETUP





5.2 POWER METER

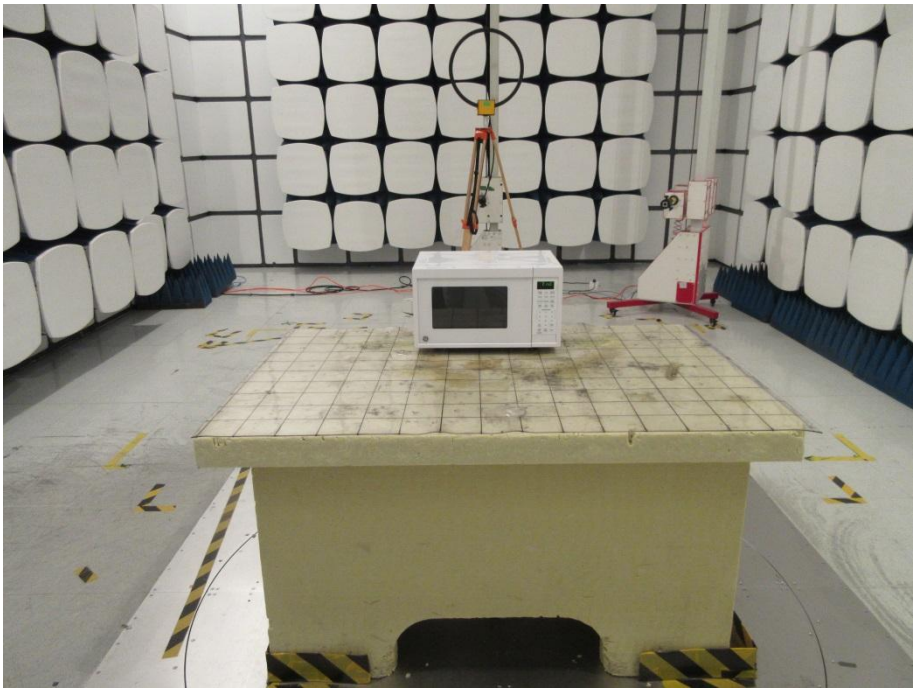
5.3 RADIATION HAZARD



Note: appearance is not the same color.

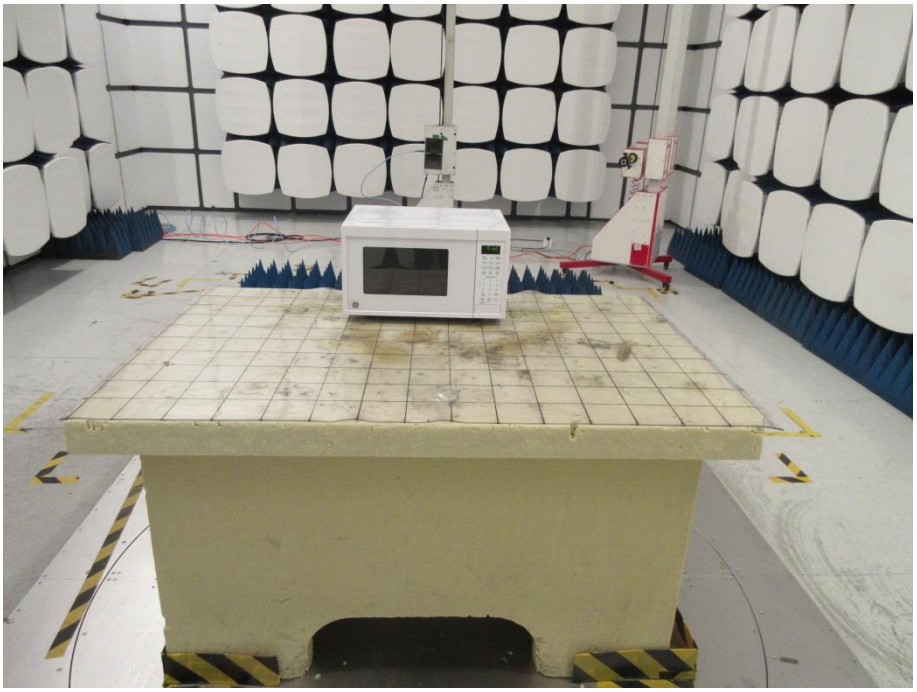
5.4 RADIATED EMISSIONS

0.15MHz-30MHz

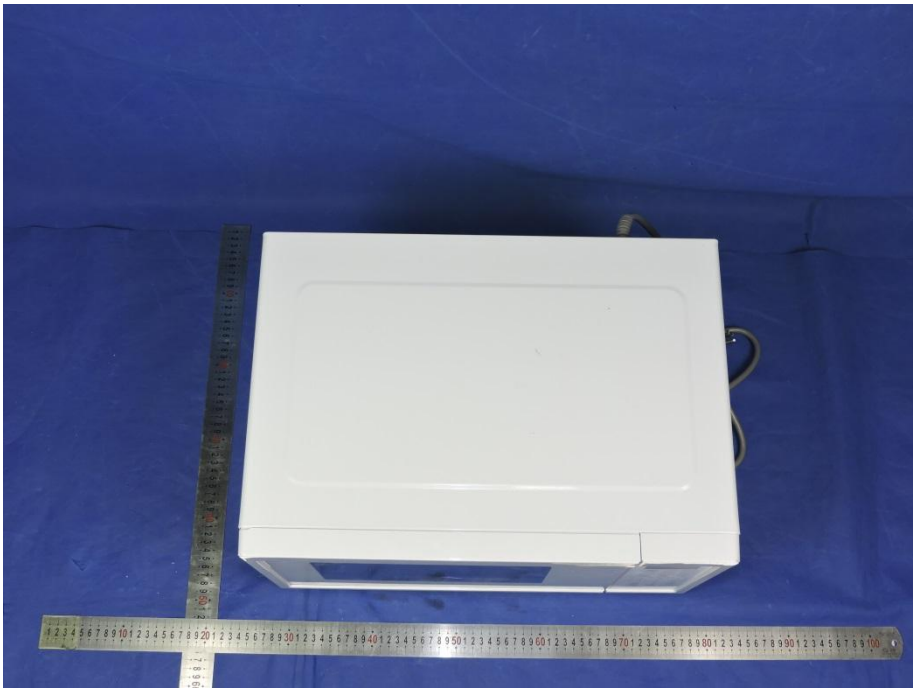


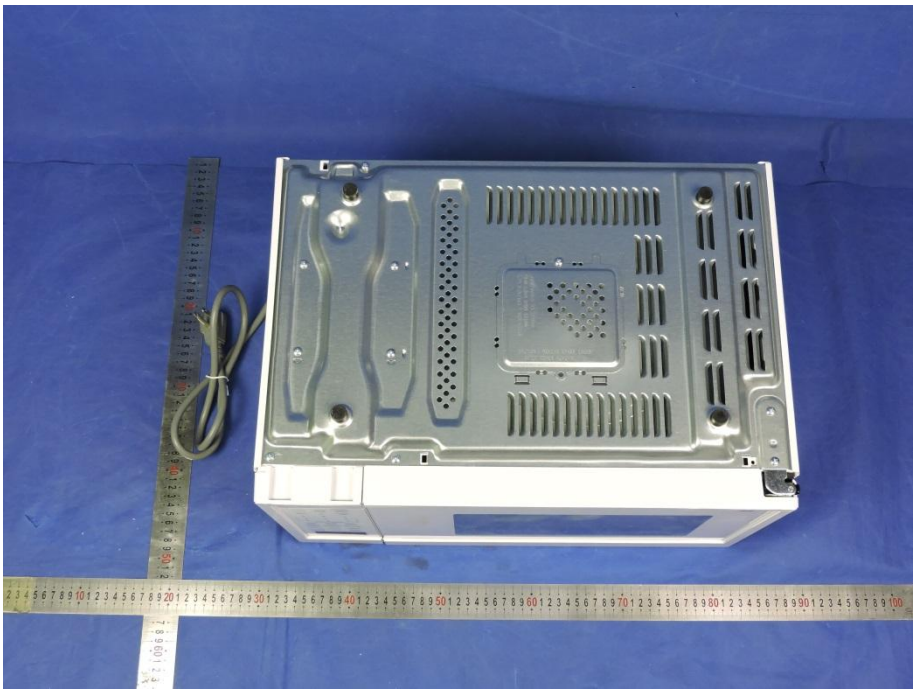
30MHz-1GHz

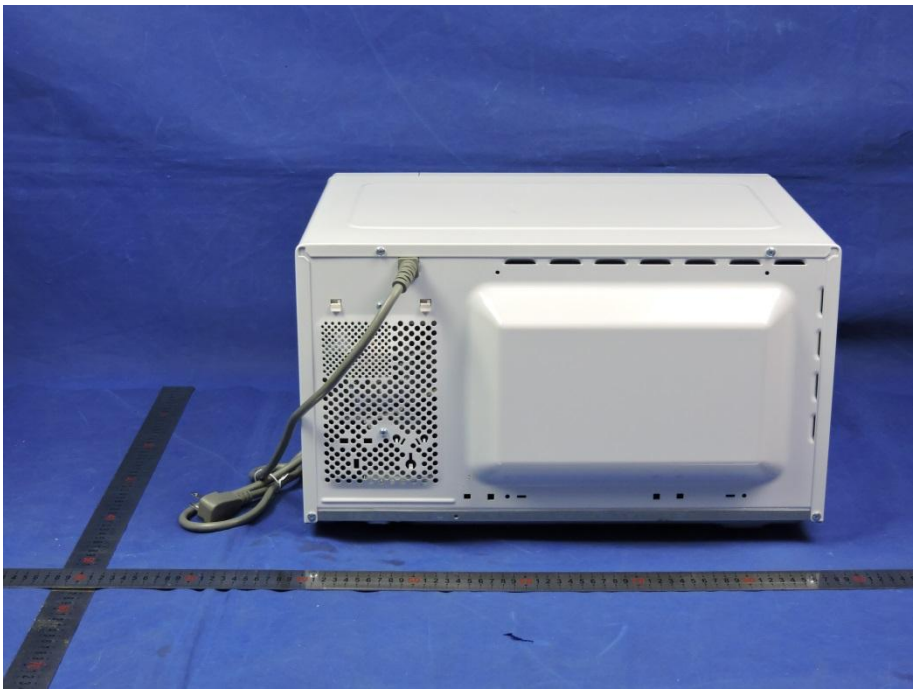
1GHz-25GHz

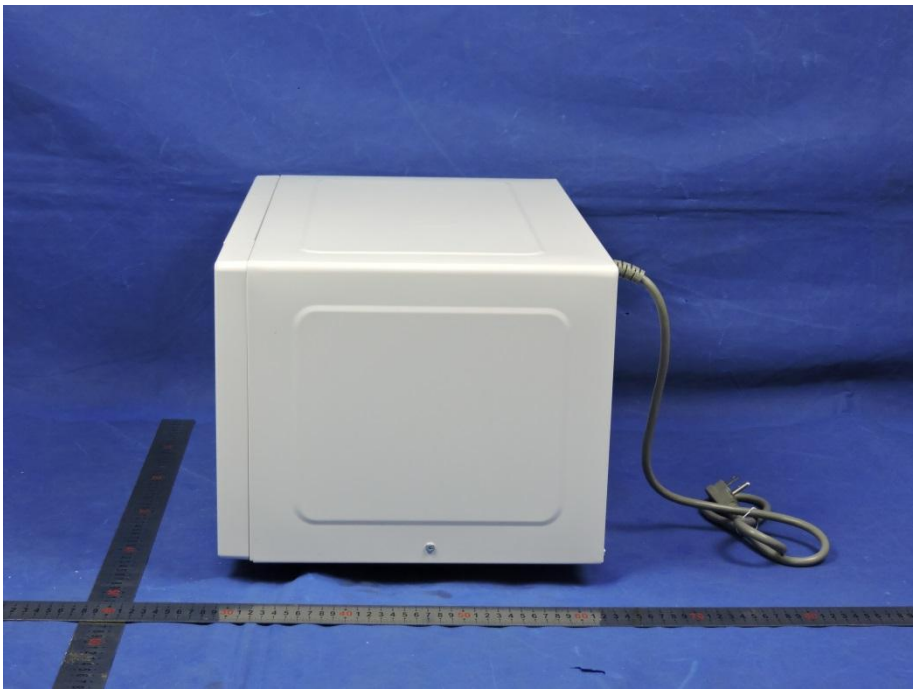


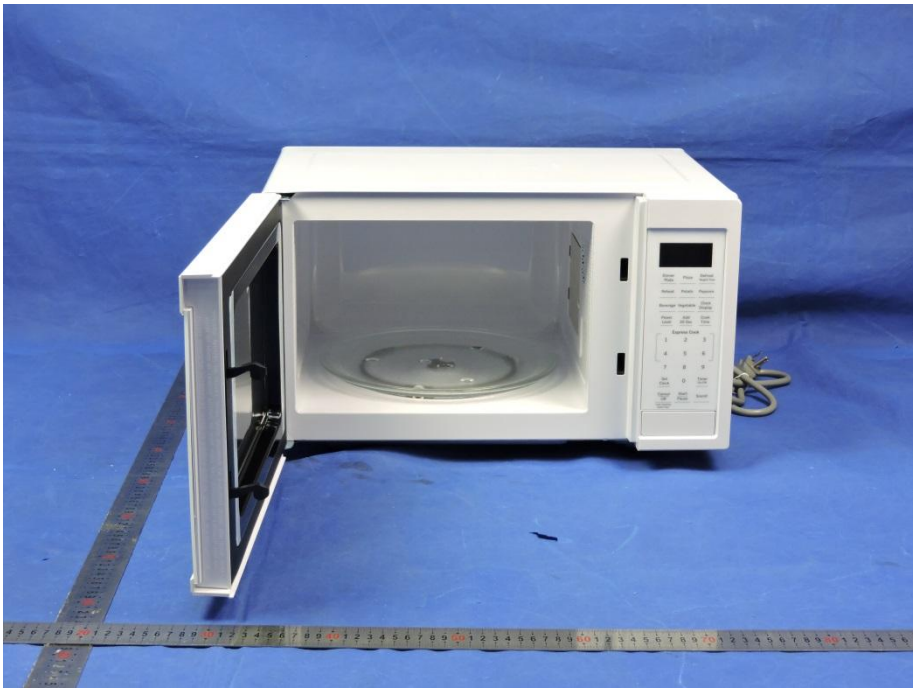
5.5 EUT CONSTRUCTIONAL DETAILS

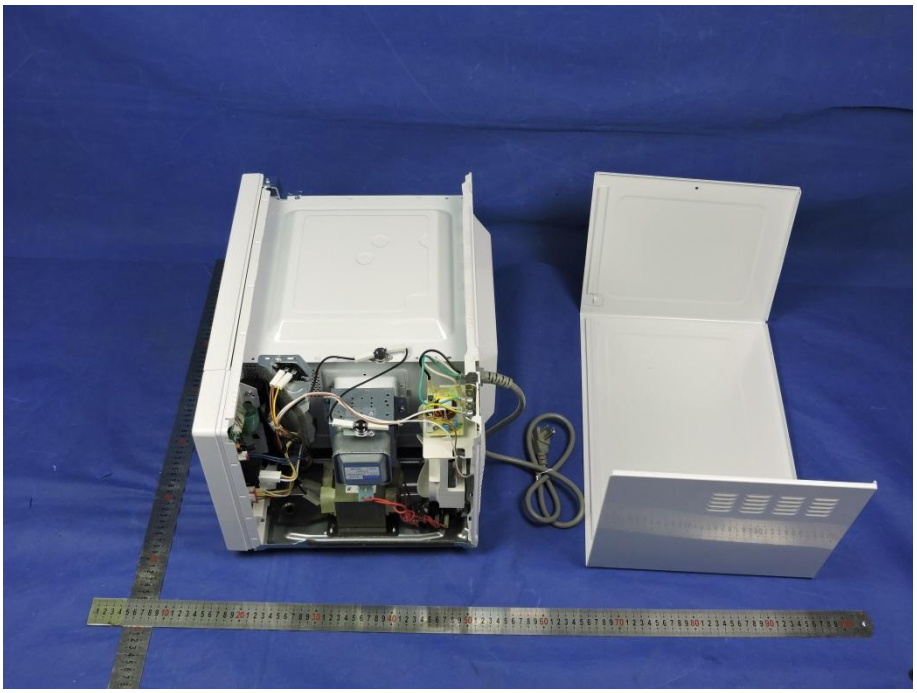




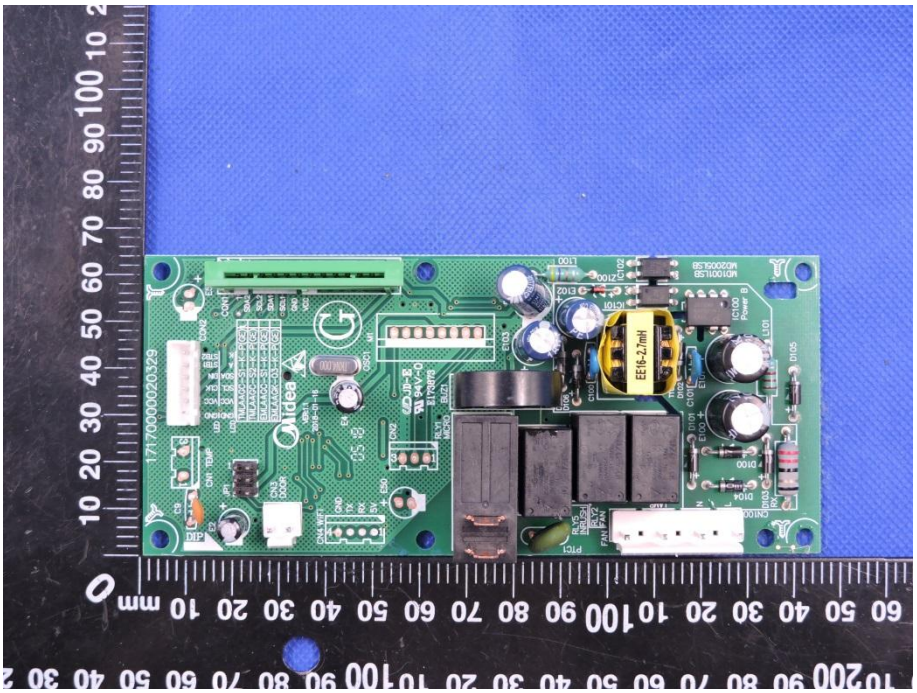


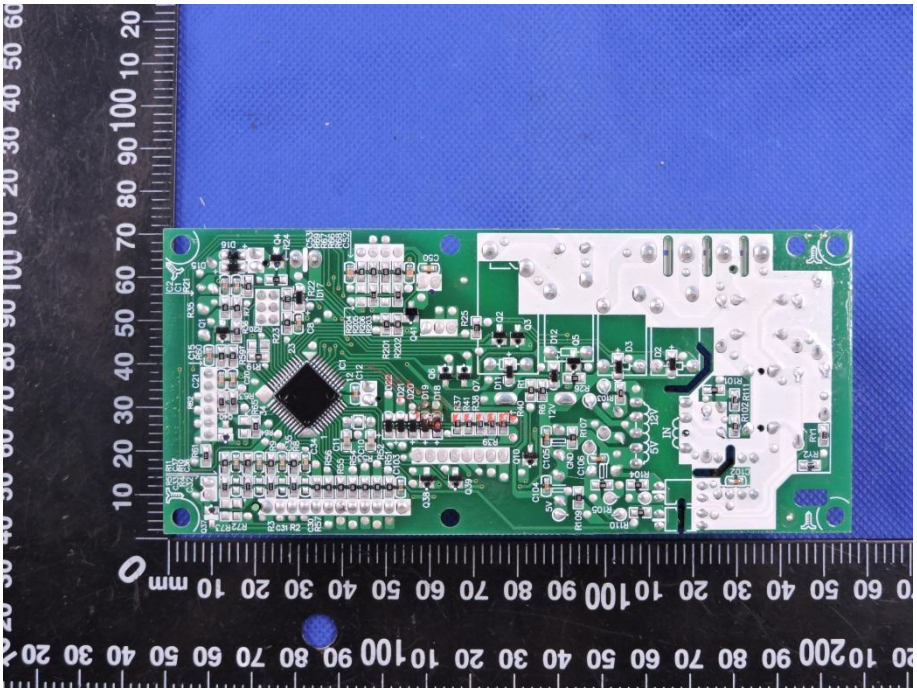


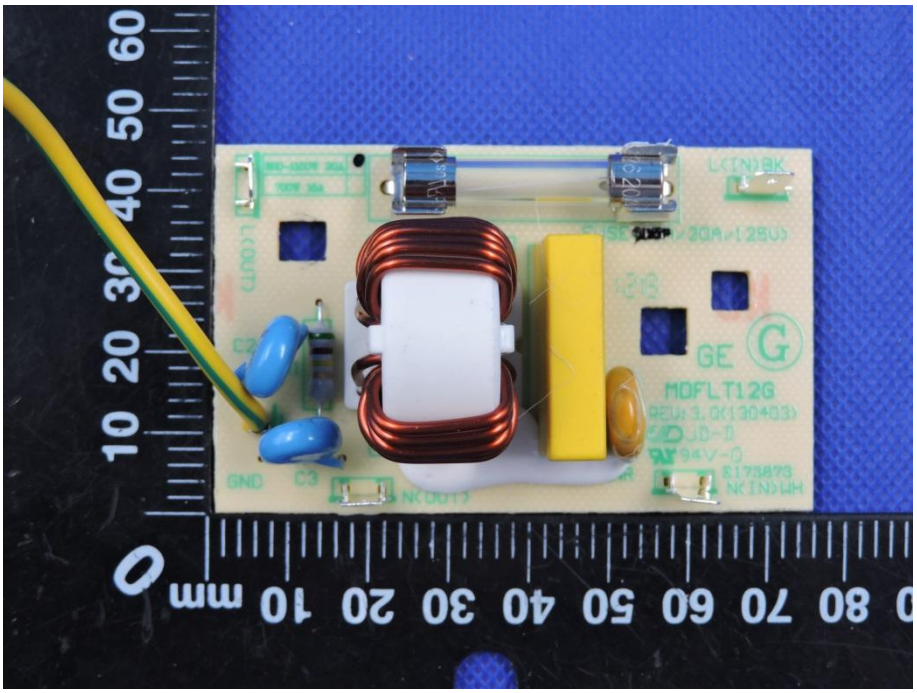


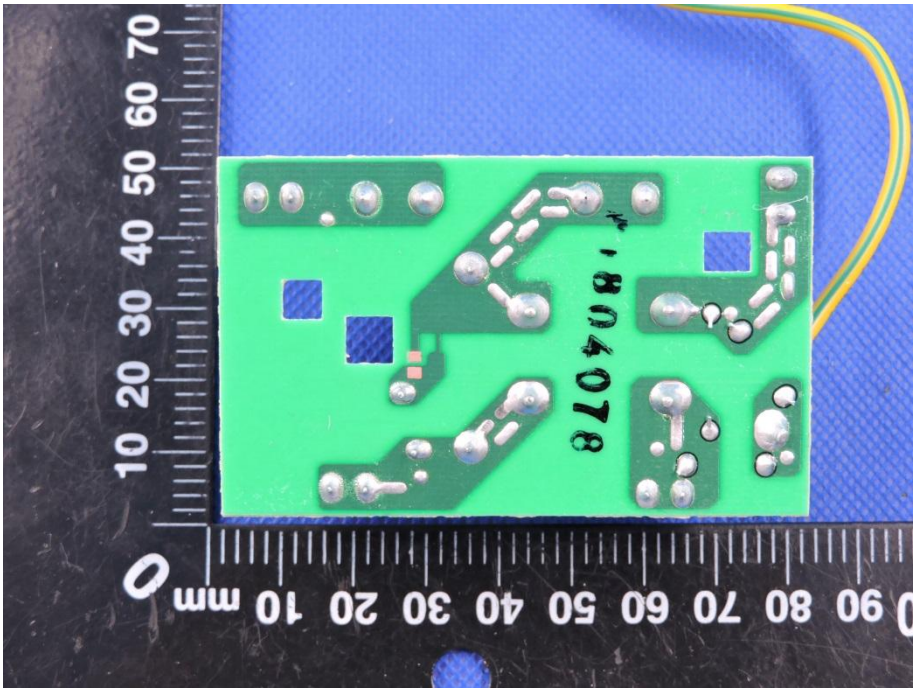


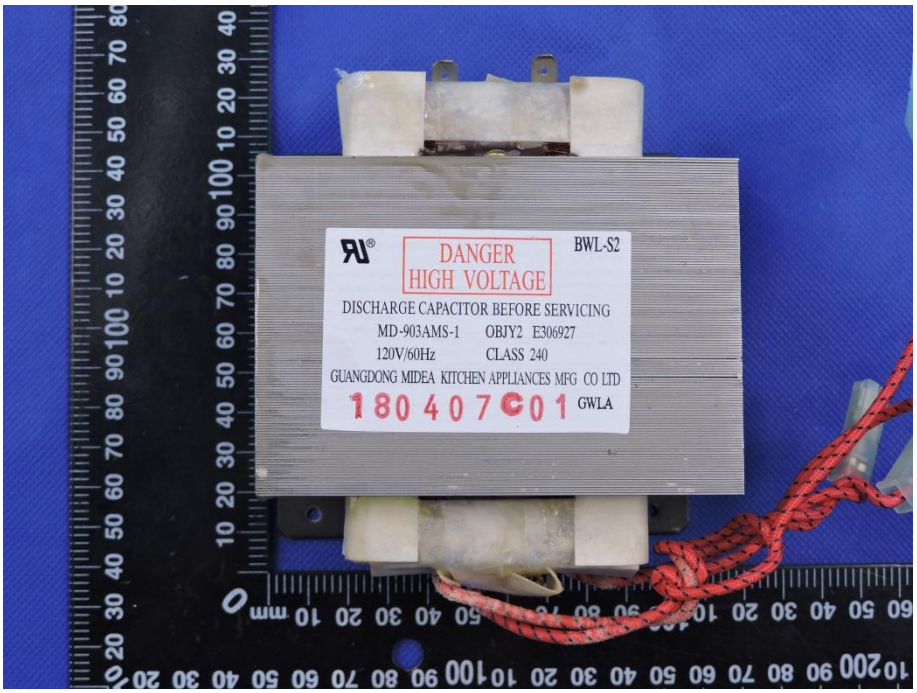

WITOL
MADE IN CHINA
2M219J
18040872
E522
CAUTION
HIGH VOLTAGE
MICROWAVE RADIATION
高电压危险






MDFLT12G





--End of Report--