FCC Test Report

Client Information:

Applicant: Guangdong Midea Kitchen Appliances Manufacturing Co.,Ltd

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

ProductInformation:

EUT Name: Microwave Oven

Model No.: NS-MW16SS8

Brand Name: N/A

FCC ID: VG8XM245AYYPV4BBY

Standards: 47 CFR PART 18:2015

Prepared By:

UL-CCIC Company Limited

Add. : Electronic Building, Parage Electronic Industrial Park, No. 8 Nanyun Er Road, Guangzhou Science Park, Guangzhou, 510663 China

Date of Receipt:May18, 2017 Date of Test: May18~Jun. 08, 2017

Date of Issue: Jun.09, 2017 Test Result: Pass

This device described above has been tested by BZT Testing Technology 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. This report shall not be reproduced except in full, without the written approval of UL-CCIC Company Limited.

Reviewed by: Eason Shan **Approved by:** Linda Ni

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: 2015	FCC OST/ MP-5:1986	18.307(b)	PASS
Radiated Emission (9 kHz to 30 MHz)	47 CFR PART 18: 2015	FCC OST/ MP-5:1986	18.305(b)	PASS
Radiated Emission (30 MHz to1 GHz)	47 CFR PART 18: 2015	FCC OST/ MP-5:1986	18.305(b)	PASS

Remark :

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

Model named description:

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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, China

2.2 GENERAL DESCRIPTION OF E.U.T.

Product Description:	Microwave Oven
Model No.:	NS-MW16SS8

2.3 DETAILS OF E.U.T.

Rated Supply (Voltage):	AC 120V 60Hz
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

BZT Testing Technology Co., Ltd

Buliding 17,Xinghua Road Xingwei industrial Park Fuyong,Baoan District,

Shenzhen,Guangdong,China

2.9 TEST FACILITY

FCC- Registration No: 701733

3 EQUIPMENT LIST

Test Equipment	Model	Manufacturer	Serial No.	Cal Until
EMC Laboratory				
Radiation Test Equipment				
EMI Test Receiver	ESCI	R&S	101427	2017/10/22
Bilog Antenna	CBL6111D	TESEQ	34678	2017/11/23
Horn Antenna	BBHA 9120D(1201)	SCHWARZBECK	9120D-1343	2018/03/04
Low frequency cable	R01	N/A	N/A	2017/10/22
PREAMPLIFIER	8449B	Agilent	60538	2017/10/22
Temperature & Humitidy	HH660	Mieo	N/A	2017/10/22
Temperature & Humitidy	HH660	Mieo	N/A	2017/10/22
Spectrum Analyzer	E4407B(9K-26.5G)	Agilent	MY50140340	2017/10/22
Passive Loop Antenna	6512	ETS	00165355	2017/10/22
MEASUREMENT UNCERTAINTY	30M-200MHz		2.83	
	200MHz-1000MHz		2.94	
	1GHz-6GHz		3.03	

Test Equipment	Model	Manufacturer	Serial No.	Cal Until
Conduction Test equipment				
EMI Test Receiver	ESCI	R&S	101427	2017/10/22
LISN	ENV216	R&S	101242	2017/10/22
Absorbing clamp	MDS-21	R&S	100668	2017/10/22
Temperature & Humitidy	HH660	Mieo	N/A	2017/10/22
conduction Cable	C01	EM	N/A	2017/10/22
Clamp Cable	C02	EM	N/A	2017/10/22
LOOPS	ZN30401	ZNINAN	13018	2018/10/23
MEASUREMENT UNCERTAINTY	150KHz-30MHz		2.67	
	9KHz-150KHz		2.88	
RF Test Equipment				
ETSI EN300328.1.8.1TEST SYSTEM			STS-E056	
MXA SIGNAL Analyzer	N9020A	Agilent	MY49100060	2017/10/22
MXG Vector Signal Generator	N5182A	Agilent	MY46240556	2017/10/22
POWER SENSOR	RPR3006W	DARE	15I00041SNO03	2017/10/22
RF Relay matrix tsj	RFM-S621	TSJ	04261	2017/10/22
Vector signal generator	E8257D-521	Agilent	MY45141029	2017/10/22
programmable power supply	3642A	Agilent	---------	---------
11DB ATTENUATOR	8494B	HP	DC0-18GHz	-------
70DB ATTENUATOR	8495B	Agilent	DC0-18GHz	---------

Test Equipment	Manufacturer	Model	Serial No.	Cal Until
RS Tester				
vector Signal Generator	Agilent	E4438C	US44271917	2017.09.29
Power meter	Agilent	E4419B	GB40202122	2017.09.29
Power Sensor	Agilent	E9300A	MY41496625	2017.09.29
Power Sensor	Agilent	E9300A	MY41496628	2017.09.29
RF power Amplifier	OPHIR	5225R	1045	N/A
RF power Amplifier	OPHIR	5273R	1018	N/A
Antenna	SCHWARZBECK	STLP9128E-special	STLP9128E s#139	N/A
Antenna	SCHWARZBECK	STLP 9149	STLP 9149 #456	N/A
Auxiliary Equipment				
Power meter	EVERFINE	PF9901	G100731cj1351244	2017.09.29
Weight meter	bALANCE	BCS-511-60	110213	2017.09.29
Thermometer	0-200°C	STS 001	001	2017.05.09
Thermometer	0-200°C	STS 002	002	2017.05.09
Beaker	1L	STS 003	003	N/A
Beaker	1L	STS 004	004	N/A
Beaker	Diameter 1900mm height 900mm	STS 005	005	N/A

4 EMISSION TEST RESULTS

4.1 OPERATING FREQUENCY

Test Requirement: 47 CFR PART 18

Test Method: FCC OST/ MP-5

Test Date: 2017-06-17

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)
2435.5	2464.8

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 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

(80%voltage) Frequency (MHz)	(125% voltage) Frequency (MHz)
2432.9	2465.6

4.1.3 RADIATION HAZARD TEST

CLIENT:	Guangdong Midea Kitchen Appliances Manufacturing Co.,Ltd	**TEST STANDERD:**	FCC Part 18
MODEL NUMBERS:	NS-MW16SS8	**PRODUCT:**	Microwave Oven
MODEL TESTED:	NS-MW16SS8	**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:**	May 18th,2017
TEST REFERENCE:	ANSI C63.4-2014, 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 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:	AC 120V/60Hz		
RESULTS:	There was no microwave leakage exceeding a power level of 0.19mW/cm_2 observed at any point 5cm or more from the external surface of the oven. A maximum of 1.0 mW/cm_2 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) test personnel.		
M. UNCERTAINTY:	0.0002 mW/cm2		

4.2 RF OUTPUT POWER MEASUREMENT

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5
Test Date: 2017-06-17
Power Supply: AC 120V 60Hz

4.2.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.2.2 MEASUREMENT DATA

Mass of water(g)	Mass of the container(g)	Ambient temperature(℃)	Initial temperature(℃)	Final temperature(℃)	Heating time(S)	Power output(watts)
1000	358	26.3	25	46	120	1130

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.**

4.3 CONDUCTED EMISSIONS, 150 KHZ TO 30MHZ

Test Requirement: 47 CFR PART 18
Test Method: FCC OST/ MP-5
Test Date: 2017-06-17
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)

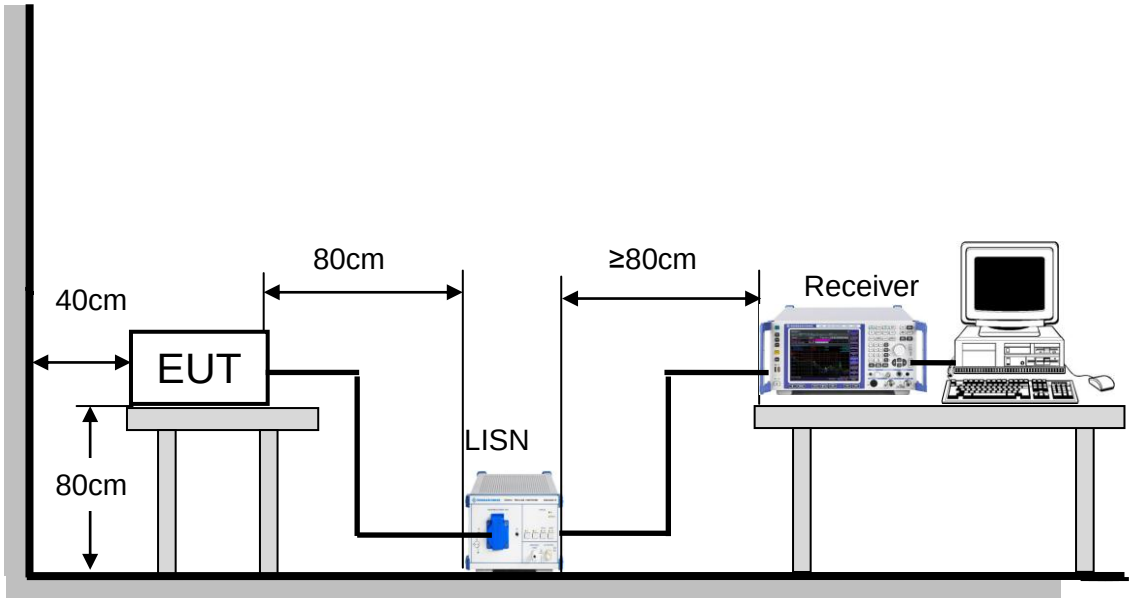
Limit:

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.		

4.3.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.3.2 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.

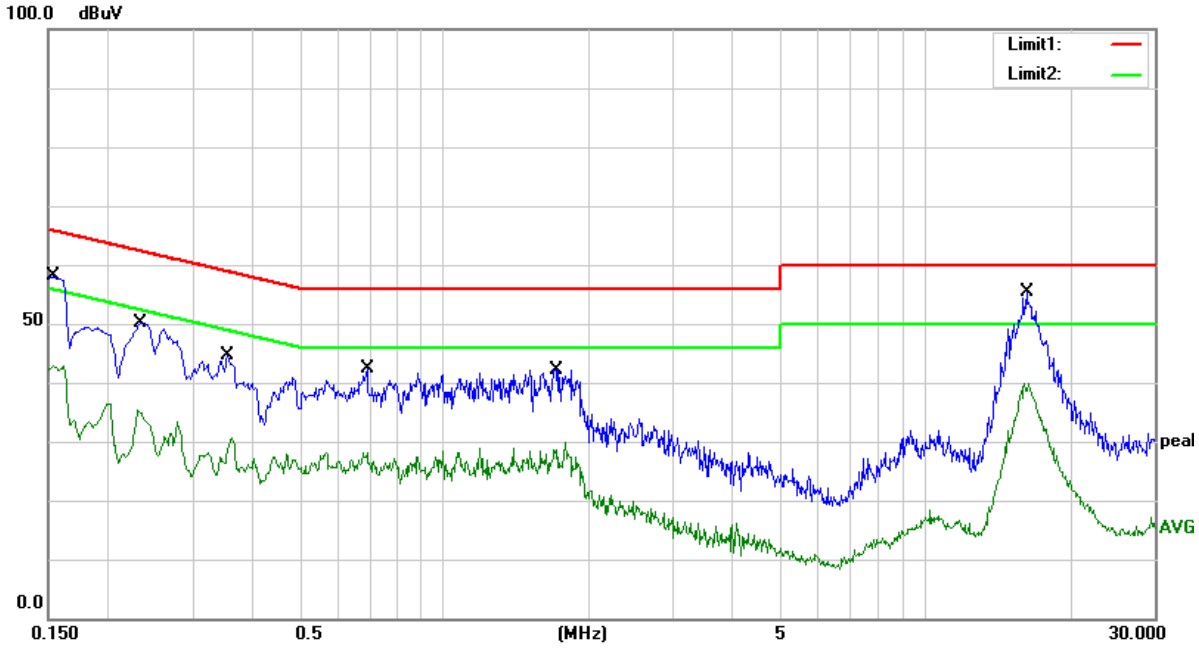
4.3.3 MEASUREMENT DATA

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

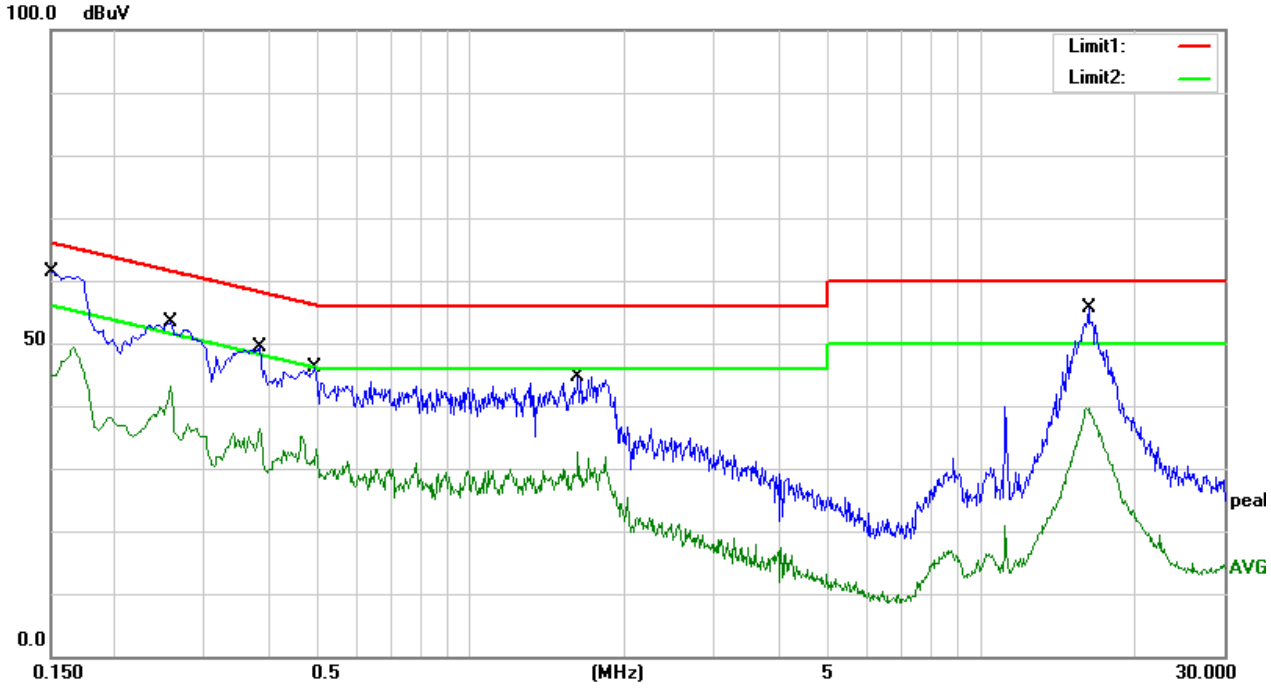


Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correction (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1540	48.78	9.23	58.01	65.78	-7.77	QP
2	0.1540	33.65	9.23	42.88	55.78	-12.90	AVG
3	0.2340	40.91	9.20	50.11	62.31	-12.20	QP
4	0.2340	25.75	9.20	34.95	52.31	-17.36	AVG
5	0.3540	35.34	9.29	44.63	58.87	-14.24	QP
6	0.3540	19.26	9.29	28.55	48.87	-20.32	AVG
7	0.6900	33.08	9.23	42.31	56.00	-13.69	QP
8	0.6900	17.13	9.23	26.36	46.00	-19.64	AVG
9	1.7100	33.01	9.22	42.23	56.00	-13.77	QP
10	1.7100	19.40	9.22	28.62	46.00	-17.38	AVG
11	16.2900	45.72	9.57	55.29	60.00	-4.71	QP
12	16.2900	29.00	9.57	38.57	50.00	-11.43	AVG

Neutral line:

Peak Scan



Quasi-peak and Average measurement:

No.	Frequency (MHz)	Reading (dBuV)	Correction (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)	Remark
1	0.1500	52.14	9.23	61.37	66.00	-4.63	QP
2	0.1500	35.58	9.23	44.81	56.00	-11.19	AVG
3	0.2580	44.12	9.17	53.29	61.50	-8.21	QP
4	0.2580	33.85	9.17	43.02	51.50	-8.48	AVG
5	0.3860	40.01	9.40	49.41	58.15	-8.74	QP
6	0.3860	26.91	9.40	36.31	48.15	-11.84	AVG
7	0.4940	36.91	9.16	46.07	56.10	-10.03	QP
8	0.4940	21.41	9.16	30.57	46.10	-15.53	AVG
9	1.6260	35.41	9.21	44.62	56.00	-11.38	QP
10	1.6260	23.52	9.21	32.73	46.00	-13.27	AVG
11	16.2980	46.01	9.57	55.58	60.00	-4.42	QP
12	16.2980	29.25	9.57	38.82	50.00	-11.18	AVG

4.4 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:	2017-06-13~17
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)

Power =1130W according to cluse7.2.2

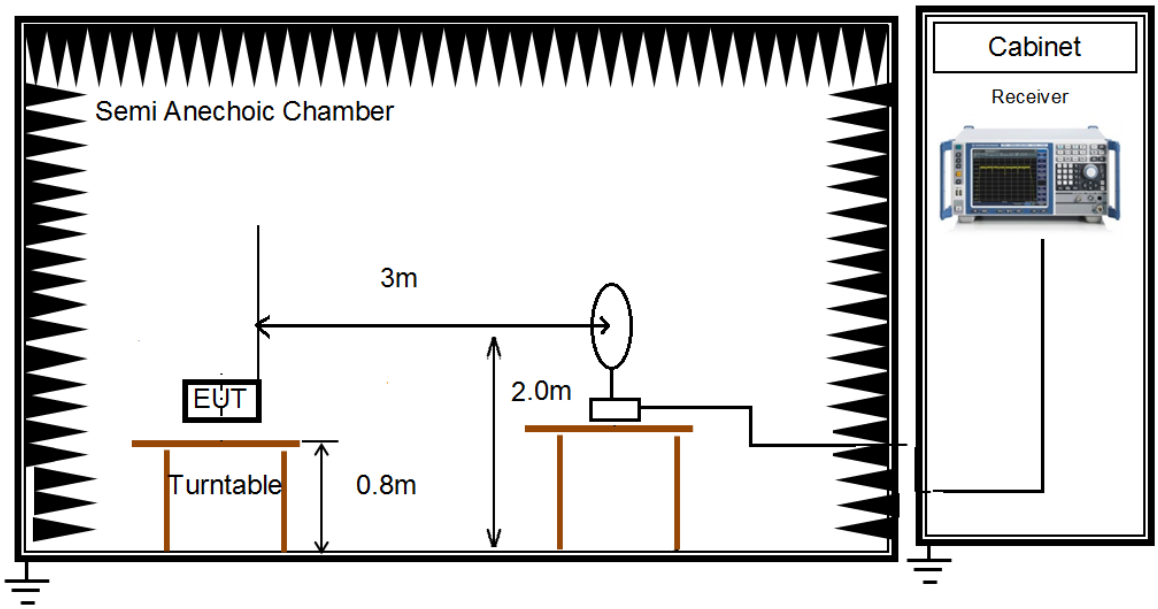
Limit=20lg(25*SQRT(power/500))+20lg(300/3) @ 3m distance.

4.4.1 E.U.T. OPERATION

Test the EUT in microwave mode with full power.

4.4.2 TEST SETUP AND PROCEDURE

9 KHz to 30 MHz

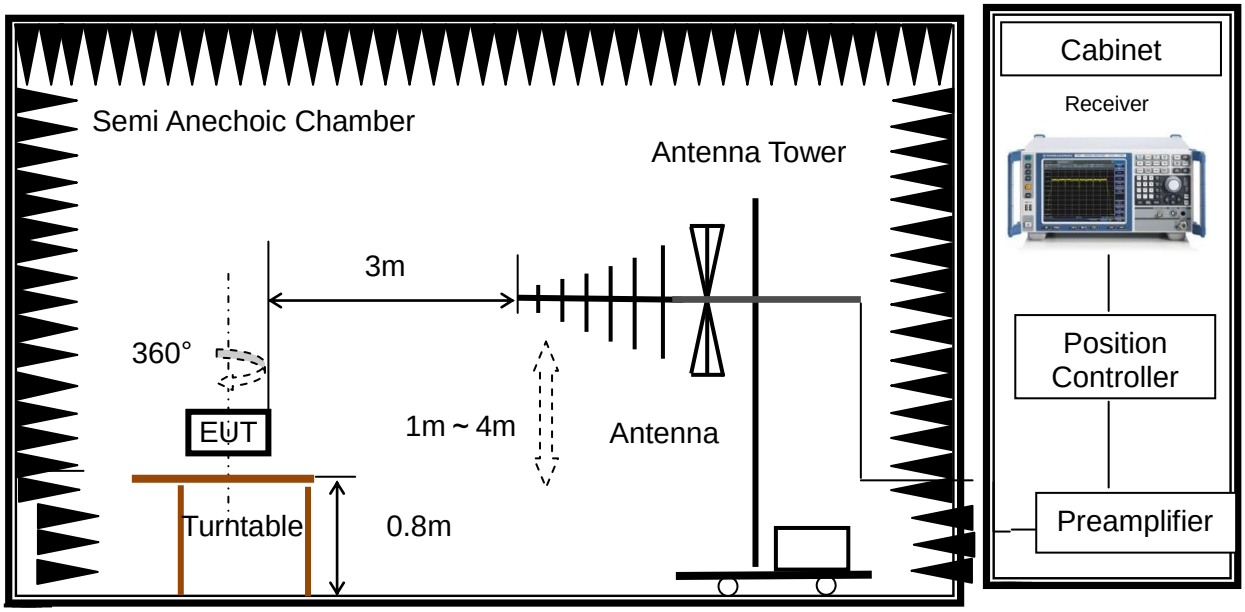


1. The magnetic emissions test was conducted in a semi-anechoic chamber.
2. The EUT was connected to AC power source through a mains power outlet which was bonded to the ground reference plane; The mains cables shall drape to the ground reference plane.
3. The tabletop EUT was placed upon a non-metallic 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

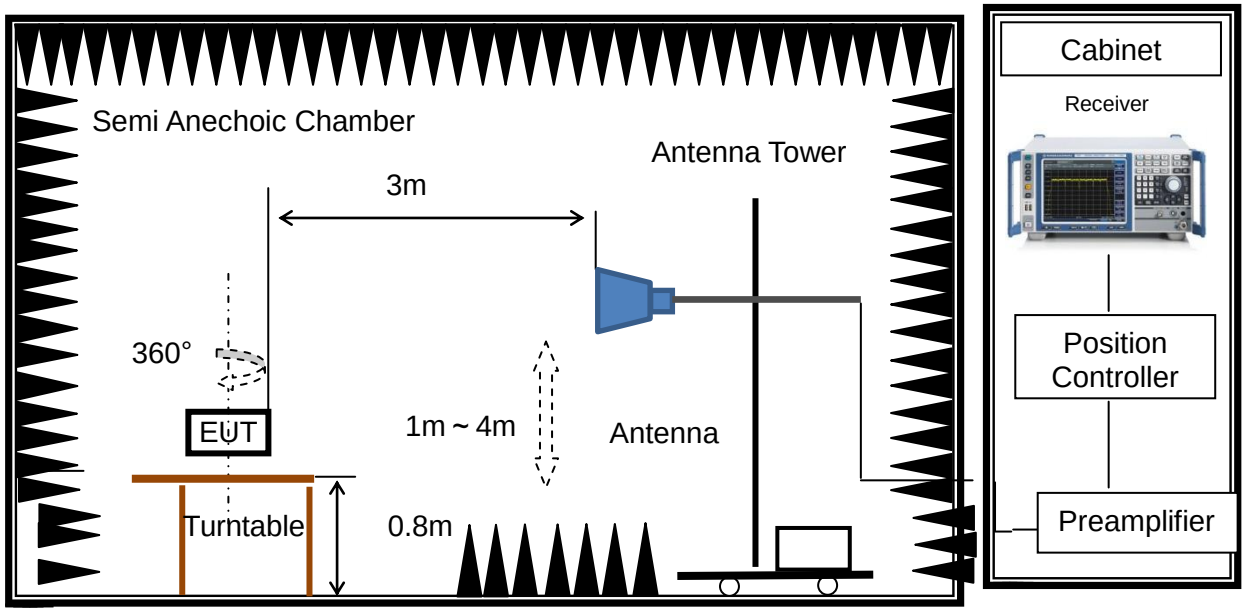


1. The radiated emissions test was conducted in a semi-anechoic chamber.
2. Biconical and log periodic antenna was used for the frequency range from 30MHz to 1GHz
3. The EUT was connected to nominal power supply through a mains power outlet which was bonded to the ground reference plane; The mains cables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



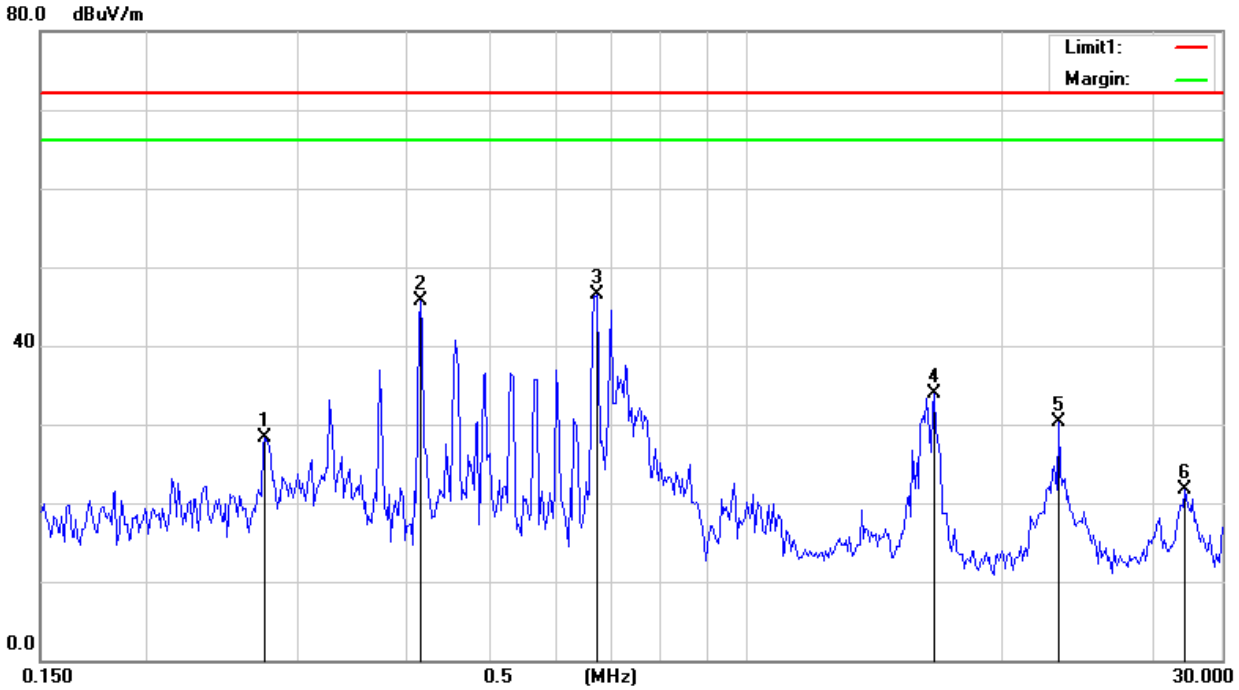
1. The radiated emissions test was conducted in a fully-anechoic chamber.
2. Horn antenna was used for the frequency above 1GHz
3. The EUT was connected to nominal power supply through a mains power outlet which was bonded to the ground reference plane; The mains cables were draped to the ground reference 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.

4.4.3 MEASUREMENT DATA

150 KHz to 30 MHz:

Vertical:

Peak scan
Level (dBμV/m)



Average measurement

No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.2743	59.78	-0.20	59.58	72.19	-43.80	QP
2	0.4171	26.74	-0.21	26.53	72.19	-26.53	QP
3	0.6720	25.96	-0.21	25.75	72.19	-25.75	QP
4	1.6625	38.52	-0.28	38.24	72.19	-38.24	QP
5	2.3212	42.25	-0.28	41.97	72.19	-41.97	QP
6	3.2583	50.78	-0.29	50.49	72.19	-50.49	QP

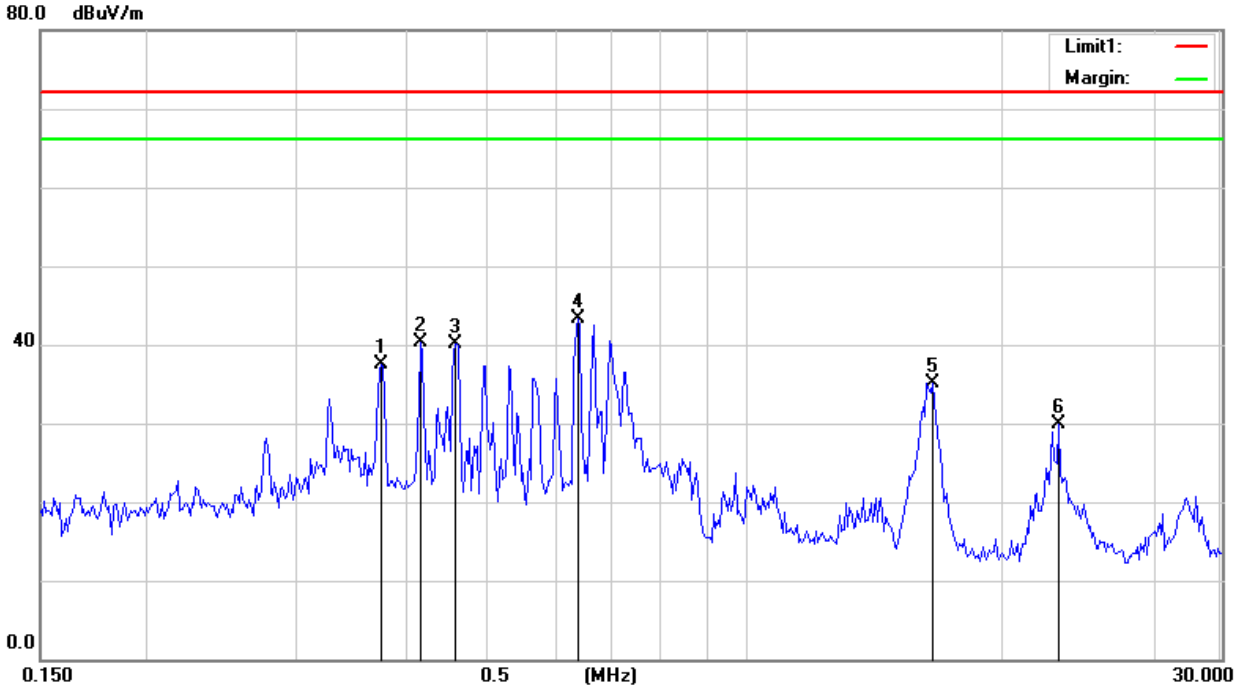
Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

150 KHz to 30 MHz:

Horizontal:

Peak scan

Level (dBμV/m)



Average measurement

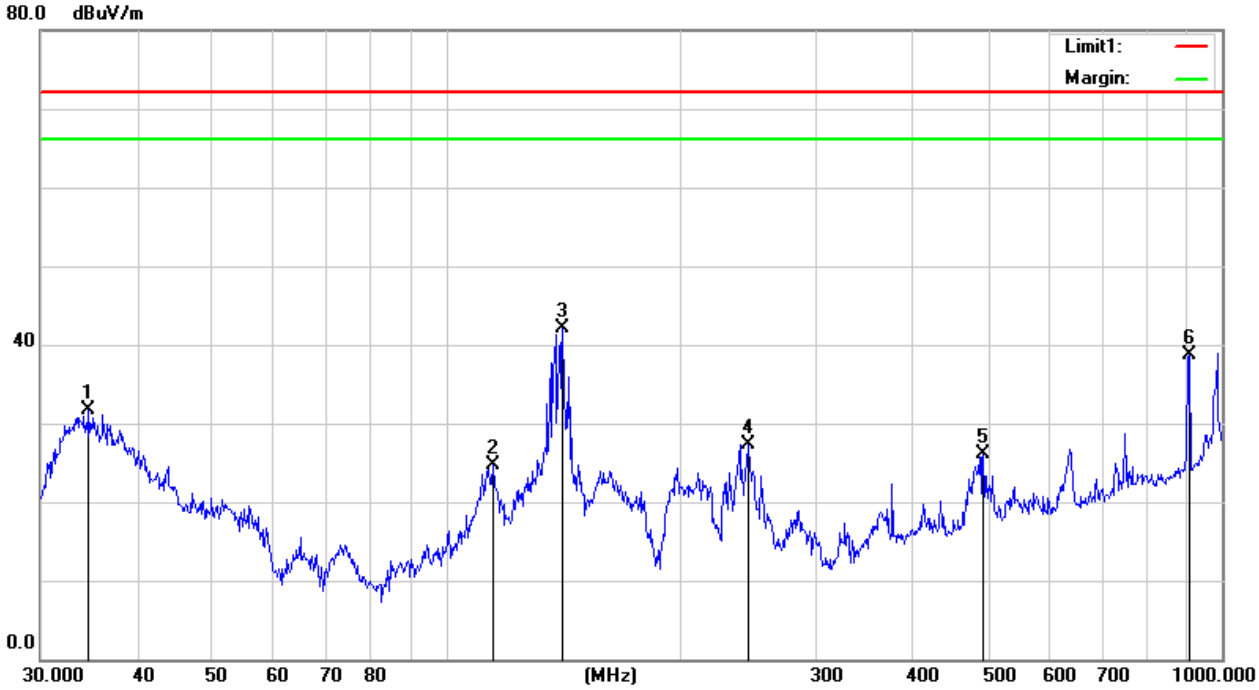
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	0.3750	37.55	-0.20	37.35	72.19	-34.64	QP
2	0.4171	40.22	-0.21	40.01	72.19	-31.97	QP
3	0.4586	40.19	-0.21	39.99	72.19	-32.00	QP
4	0.6370	43.30	-0.23	43.07	72.19	-28.89	QP
5	1.6535	35.19	-0.28	34.90	72.19	-37.00	QP
6	2.3212	29.91	-0.29	29.62	72.19	-42.28	QP

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

30MHz to 1000MHz:

Vertical:

Peak scan
Level (dBμV/m)



Average measurement

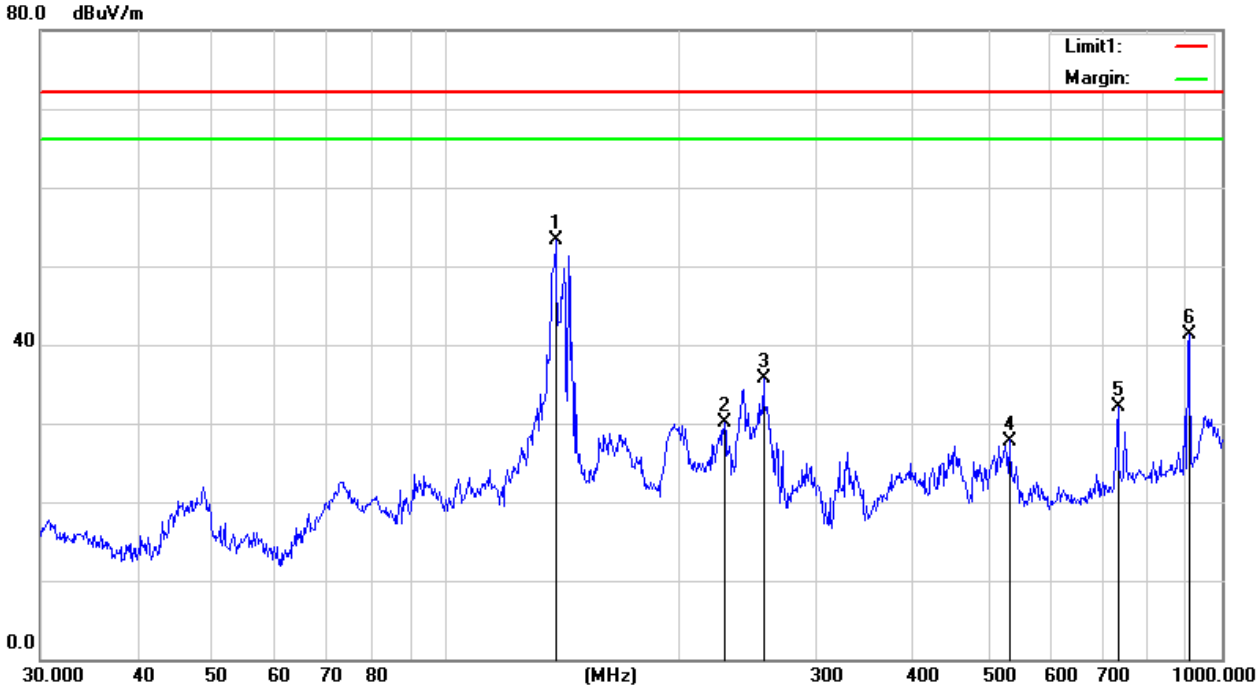
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	34.6385	45.30	-13.57	31.73	72.19	-40.46	QP
2	114.9168	42.75	-18.02	24.73	72.19	-47.46	QP
3	141.3298	59.78	-17.58	42.20	72.19	-29.99	QP
4	245.0900	44.31	-17.03	27.28	72.19	-44.91	QP
5	492.4685	35.24	-9.09	26.15	72.19	-46.04	QP
6	909.6667	40.65	-1.93	38.72	72.19	-33.47	QP

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

30 MHz to 1000 MHz:

Horizontal:

Peak scan
Level (dBµV/m)



Average measurement

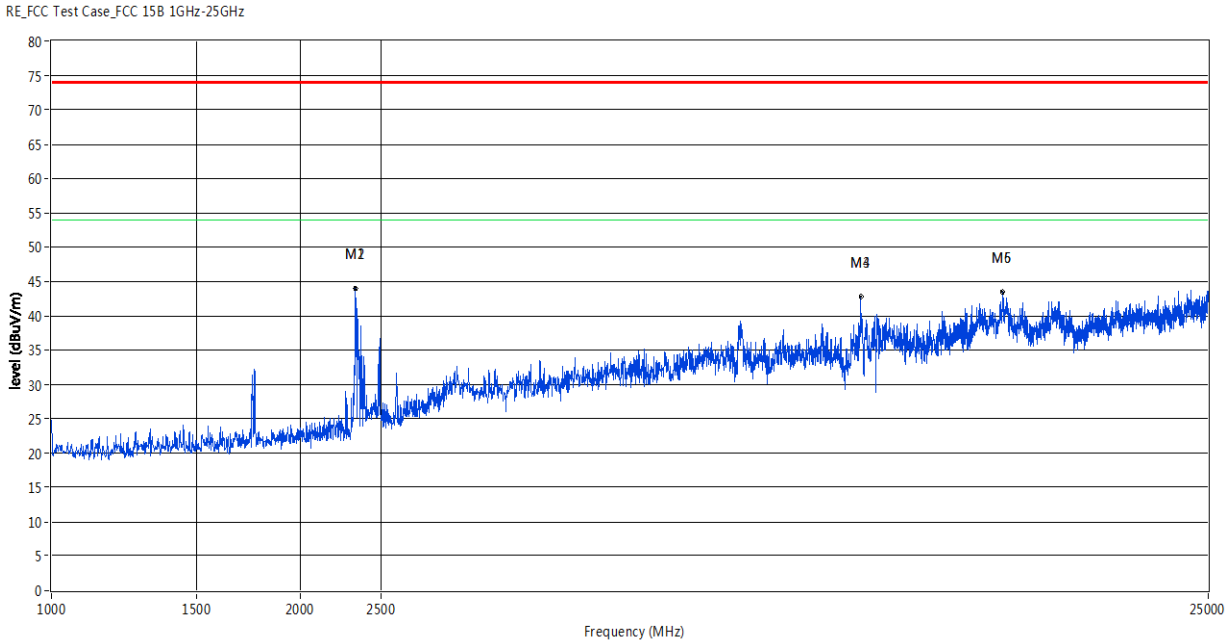
No.	Frequency (MHz)	Reading (dBuV)	Correction (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
1	138.3873	70.83	-17.51	53.32	72.19	-18.87	QP
2	228.4903	48.60	-18.57	30.03	72.19	-42.16	QP
3	256.5211	51.24	-15.50	35.74	72.19	-36.45	QP
4	531.9634	35.55	-7.75	27.80	72.19	-44.39	QP
5	734.4913	35.99	-3.83	32.16	72.19	-40.03	QP
6	906.4824	43.36	-2.05	41.31	72.19	-30.88	QP

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

1000MHZ to 25000MHz:

Vertical:

Peak scan
Level (dBμV/m)



Average measurement

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2330.669	44.04	-24.49	74.0	29.96	Peak	125.60	100	Vertical	Pass
1**	2330.669	25.99	-24.49	54.0	28.01	AV	125.60	100	Vertical	Pass
2	9506.747	42.81	-6.08	74.0	31.19	Peak	334.00	100	Vertical	Pass
2**	9506.747	26.43	-6.08	54.0	27.57	AV	334.00	100	Vertical	Pass
3	14115.442	43.51	-6.24	74.0	30.49	Peak	304.10	100	Vertical	Pass
3**	14115.442	26.86	-6.24	54.0	27.14	AV	304.10	100	Vertical	Pass

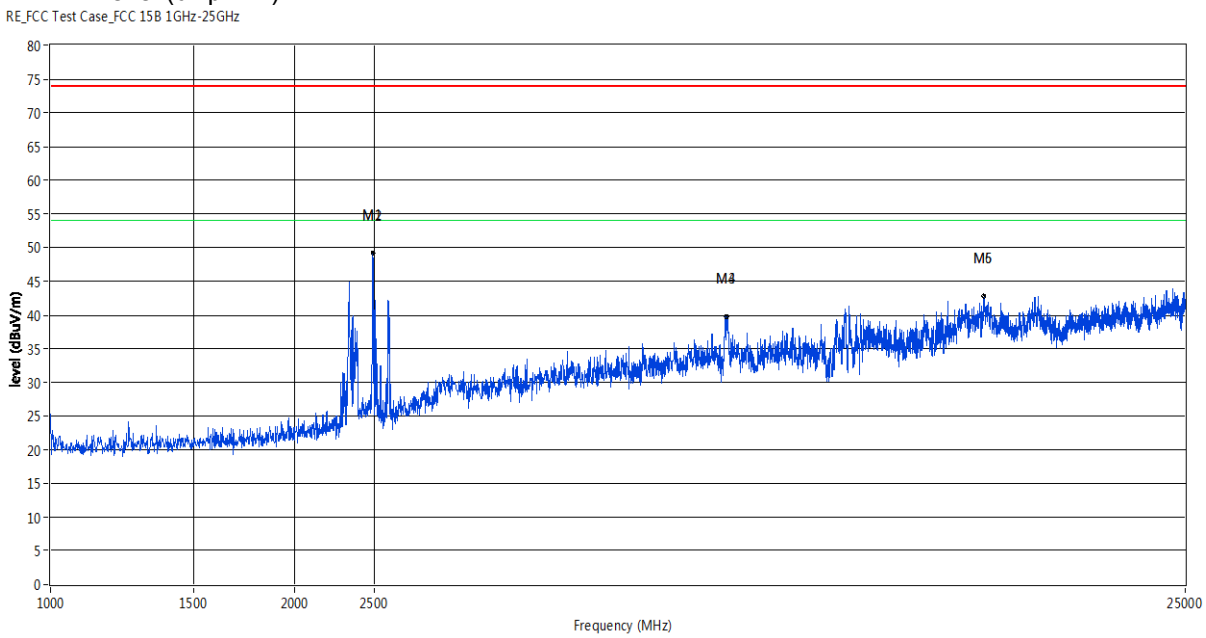
Level = Read Level + Antenna Factor + Cable Loss – Preamp Factor.

1000MHZ to 25000MHz:

Horizontal:

Peak scan

Level (dBμV/m)



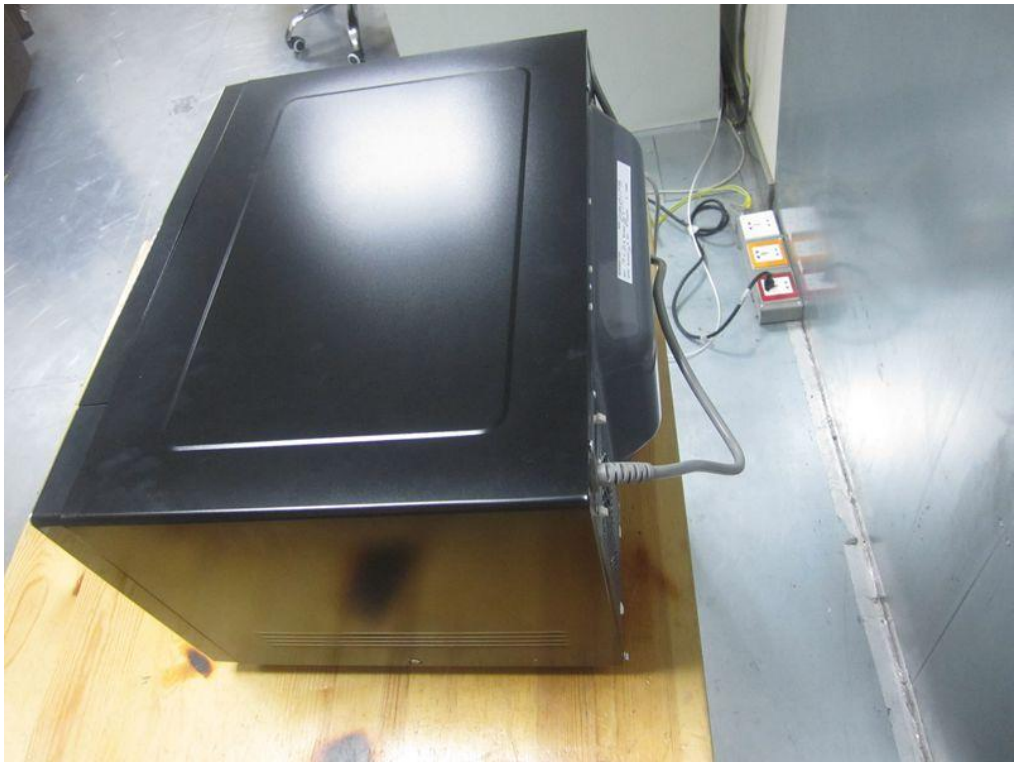
Average measurement

No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Margin (dB)	Detector	Table (o)	Height (cm)	ANT	Verdict
1	2492.507	51.24	-21.82	74.0	22.76	Peak	114.90	100	Horizontal	Pass
1**	2492.507	36.11	-21.82	54.0	17.89	AV	4.00	100	Horizontal	Pass
2	6808.096	39.81	-9.28	74.0	34.19	Peak	4.00	100	Horizontal	Pass
2**	6808.096	29.31	-9.28	54.0	24.69	AV	234.00	100	Horizontal	Pass
3	14121.439	42.77	-5.90	74.0	31.23	Peak	4.00	100	Horizontal	Pass
3**	14121.439	28.19	-5.90	54.0	25.81	AV	1.00	100	Horizontal	Pass

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

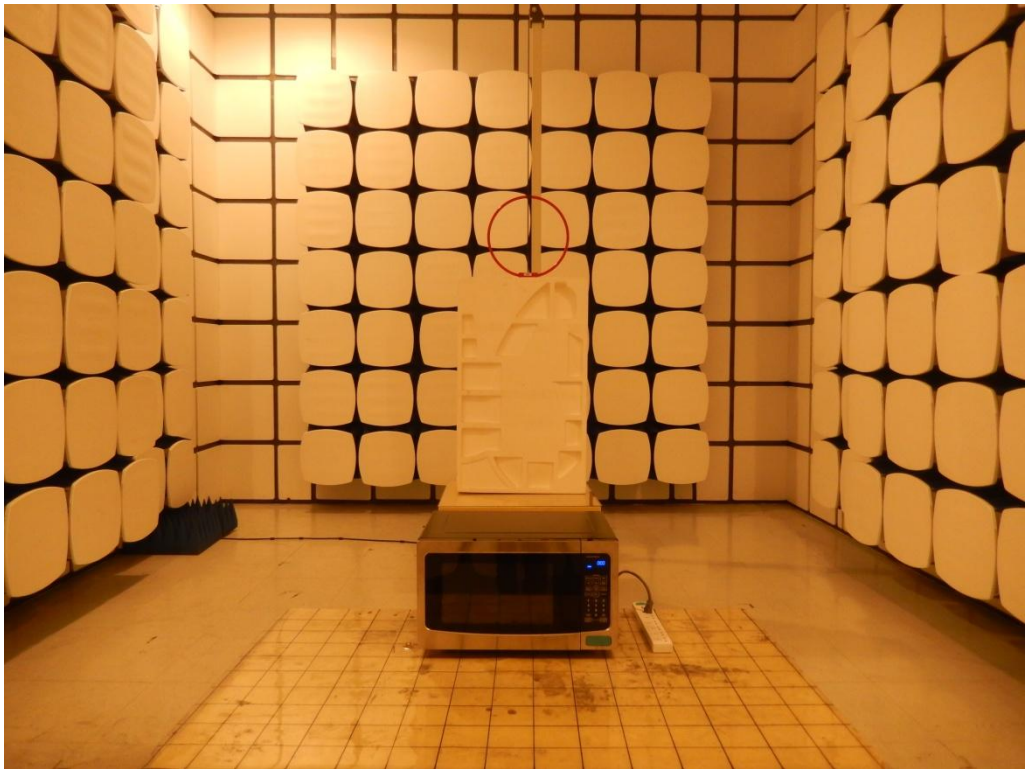
5 PHOTOGRAPHS

5.1 CONDUCTED EMISSIONS, 150 KHZ TO 30 MHZ TEST SETUP



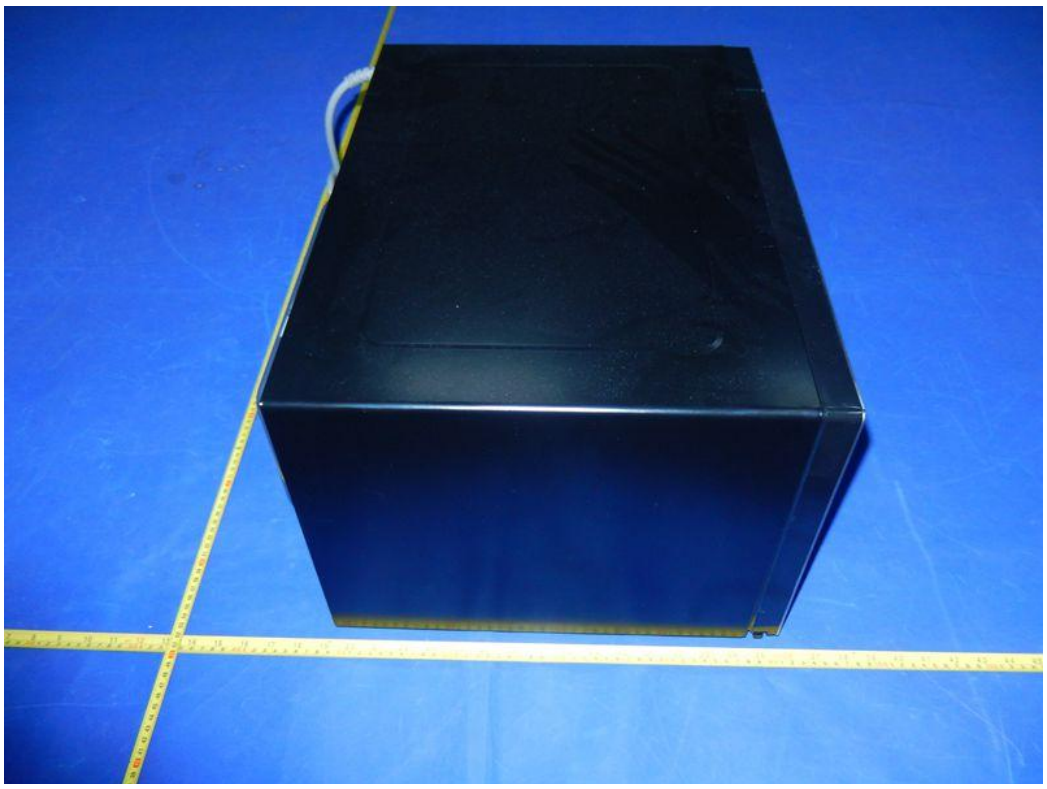
5.2 RADIATED EMISSIONS TEST SETUP

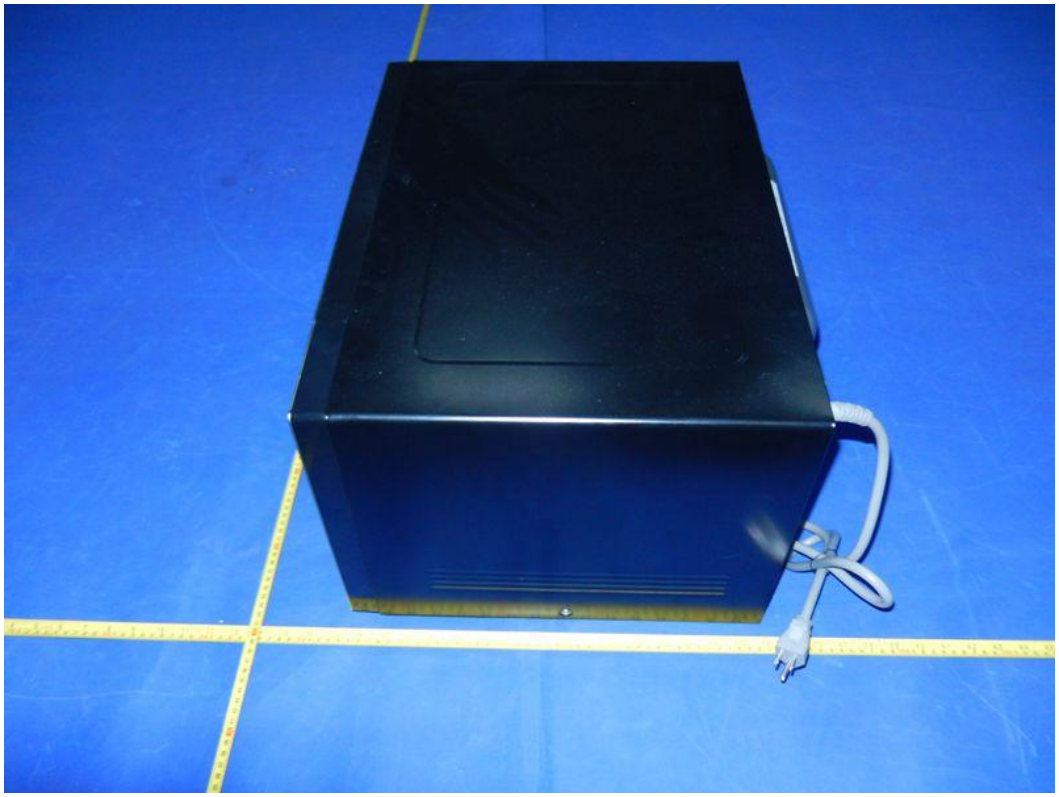
Below 1G:



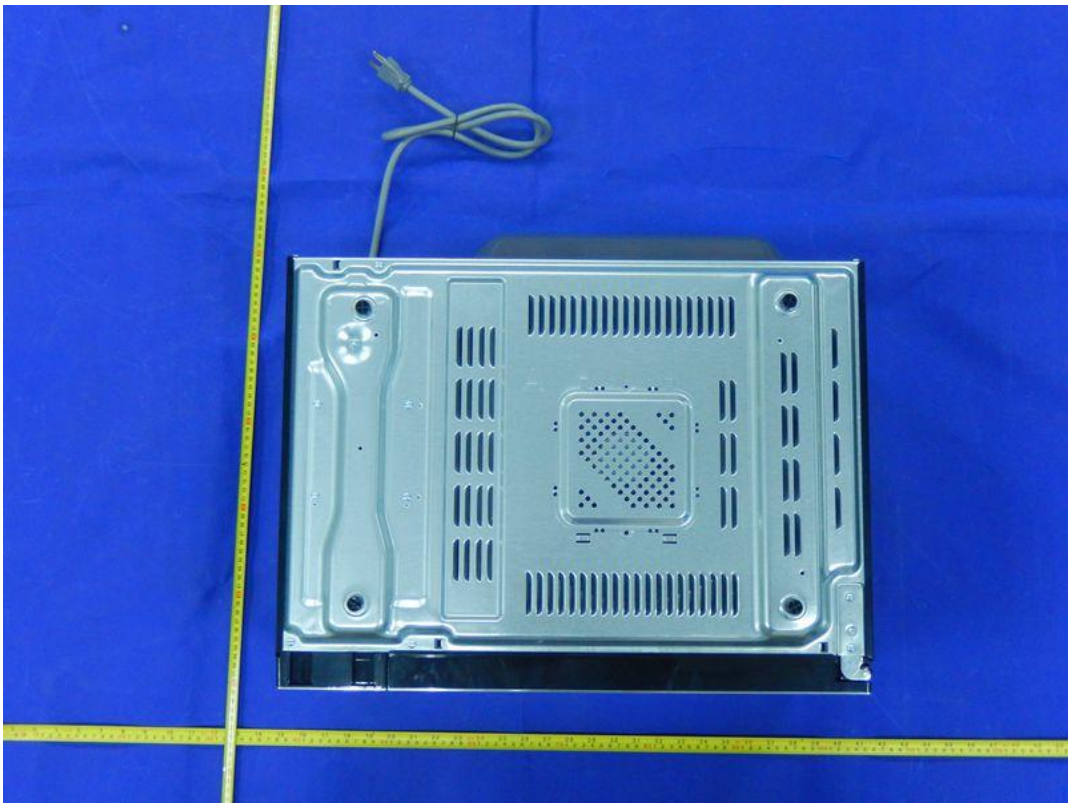
Above 1G:

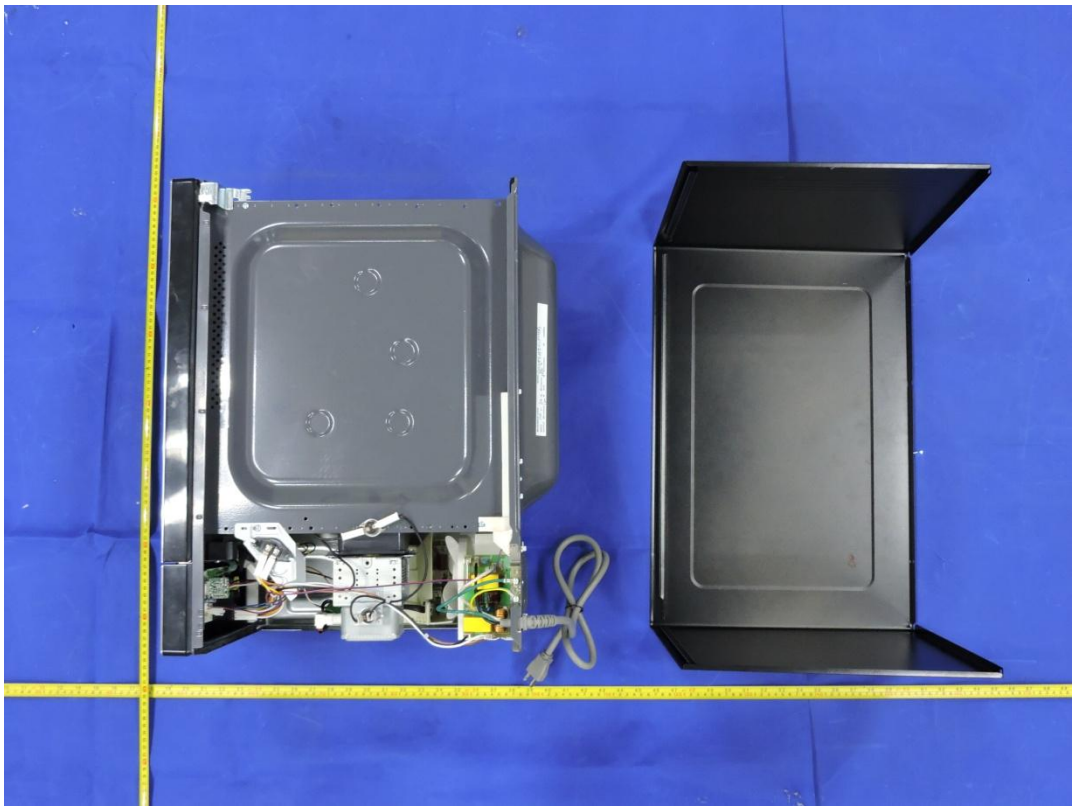
5.3 EUT CONSTRUCTIONAL DETAILS

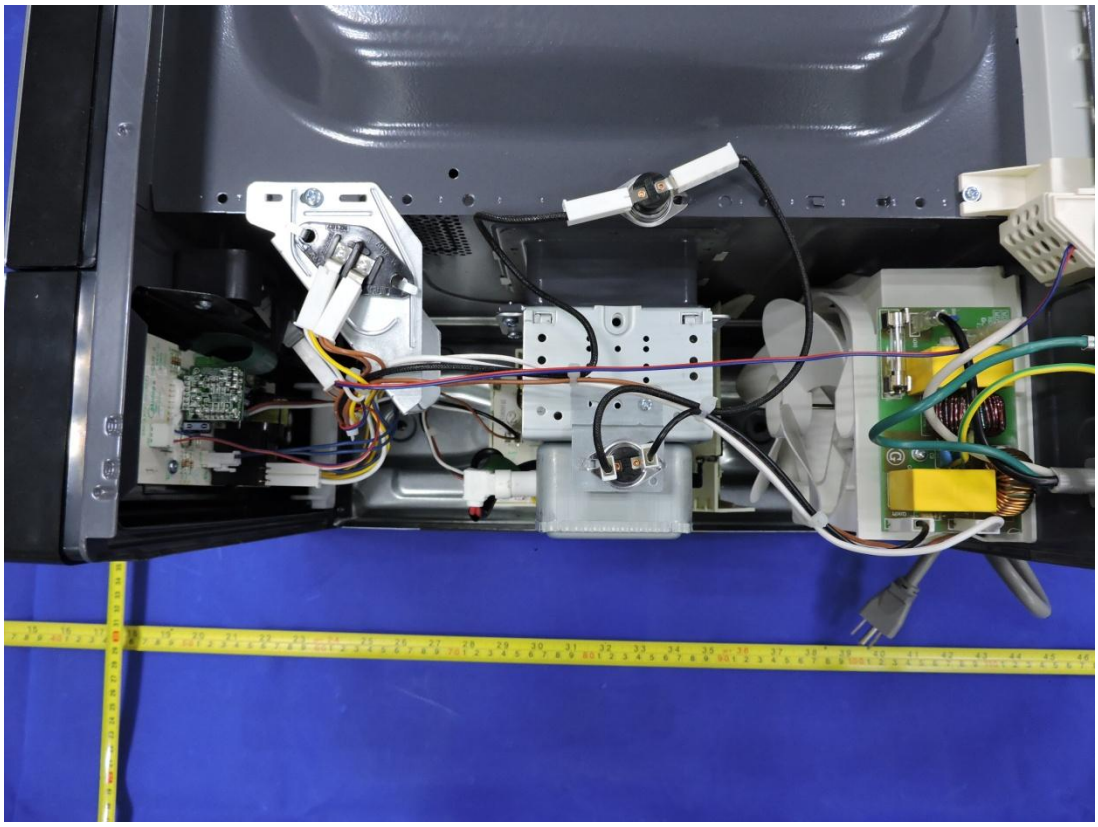


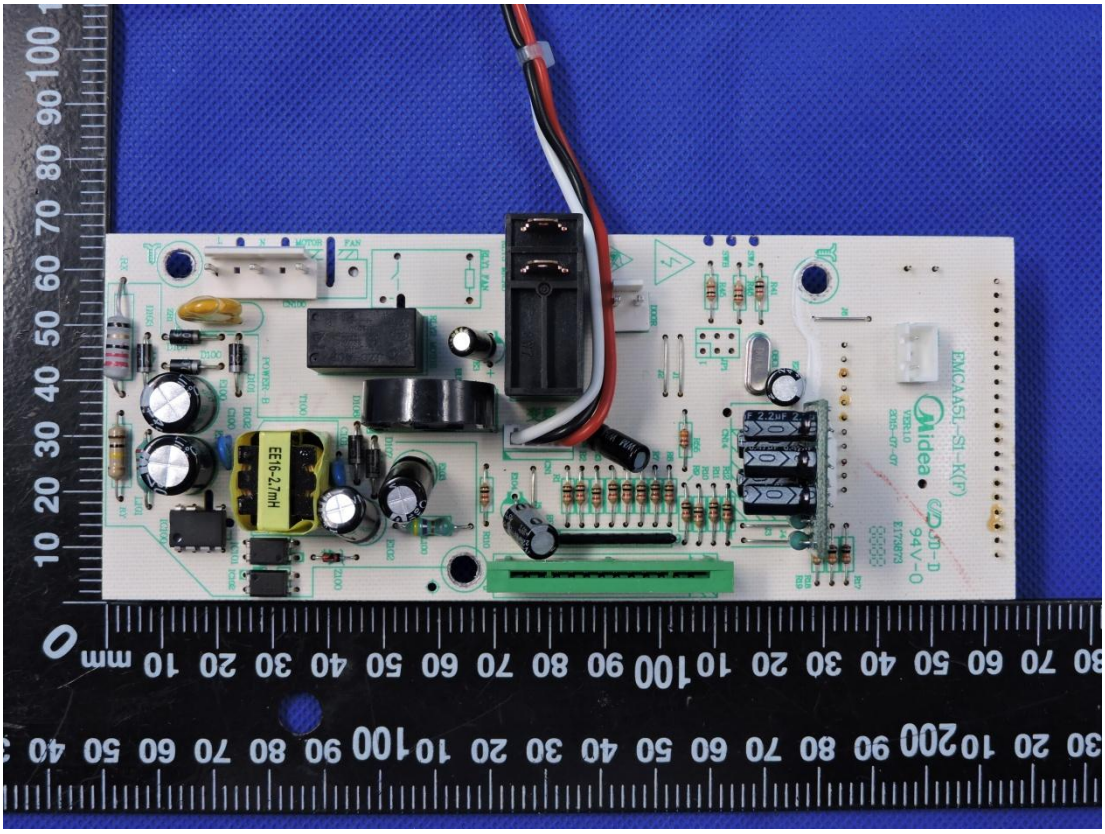


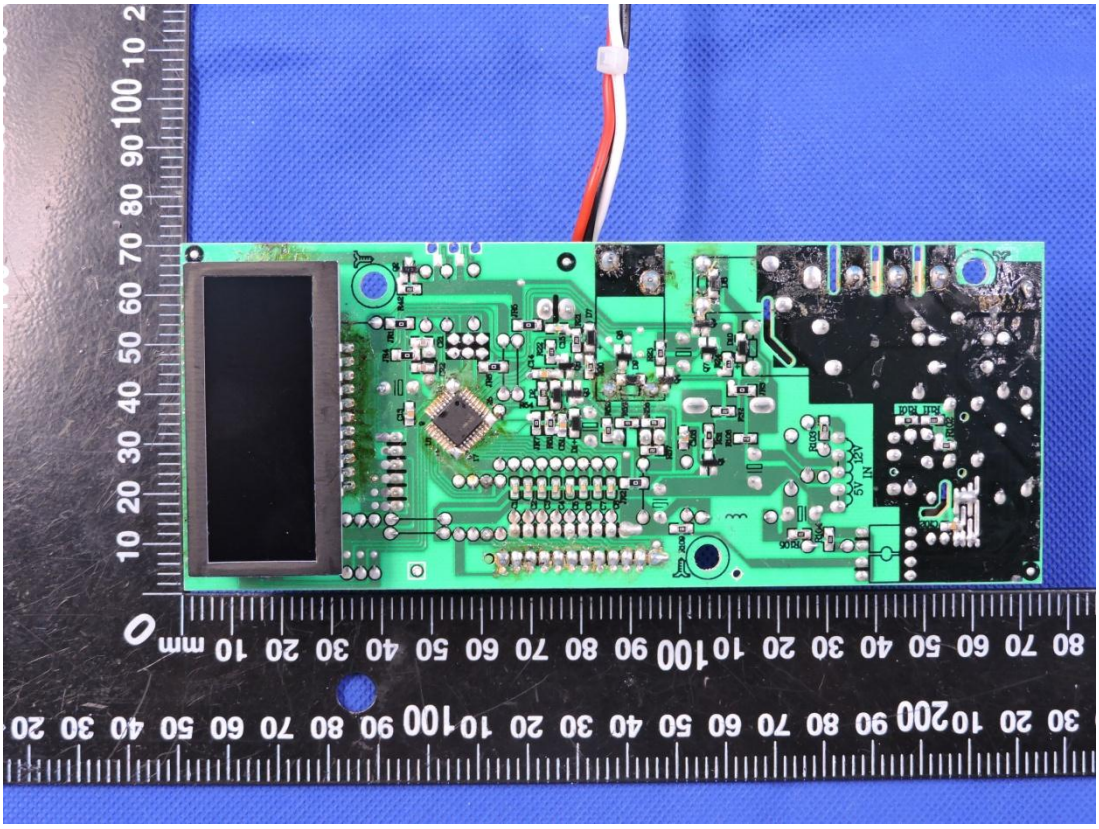

INVERTECH

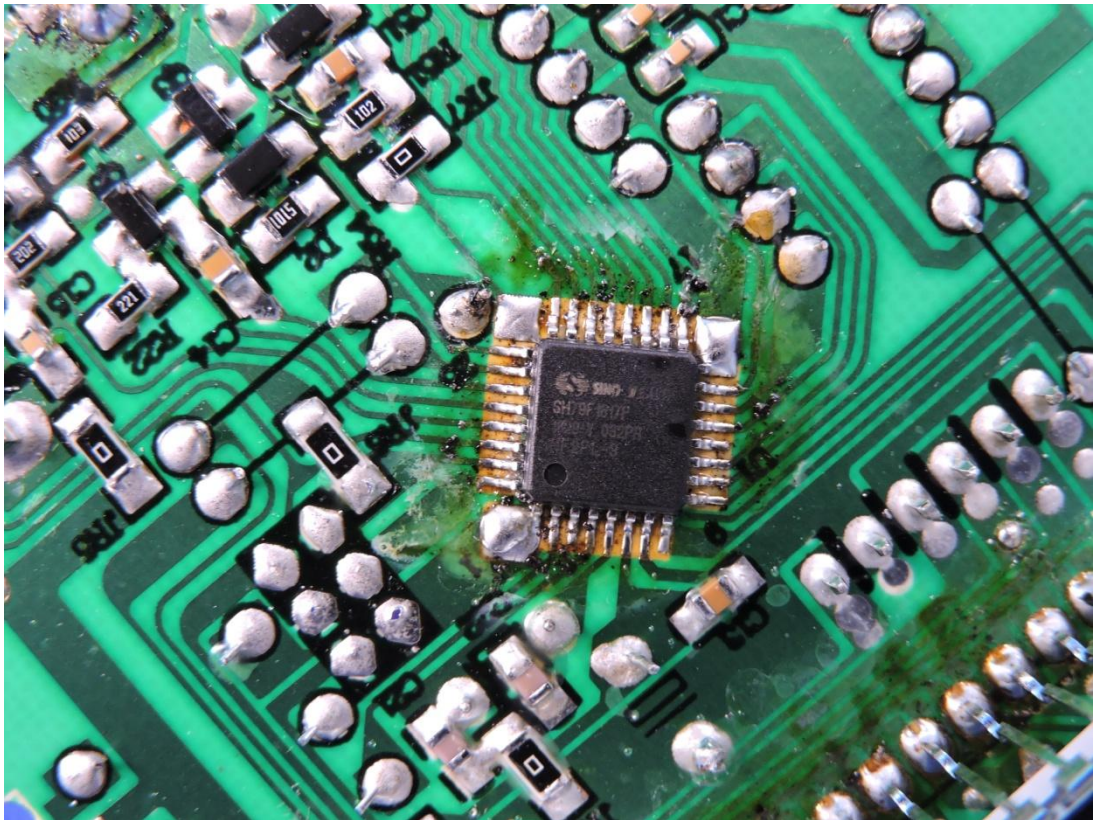


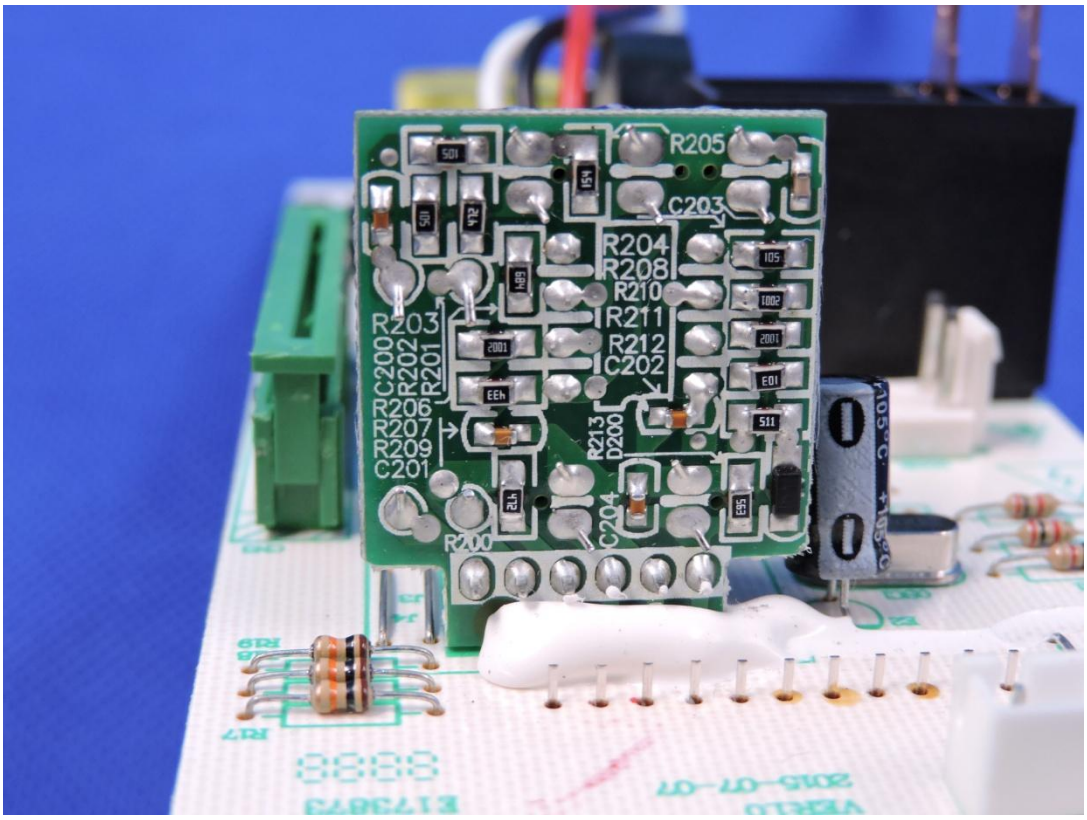


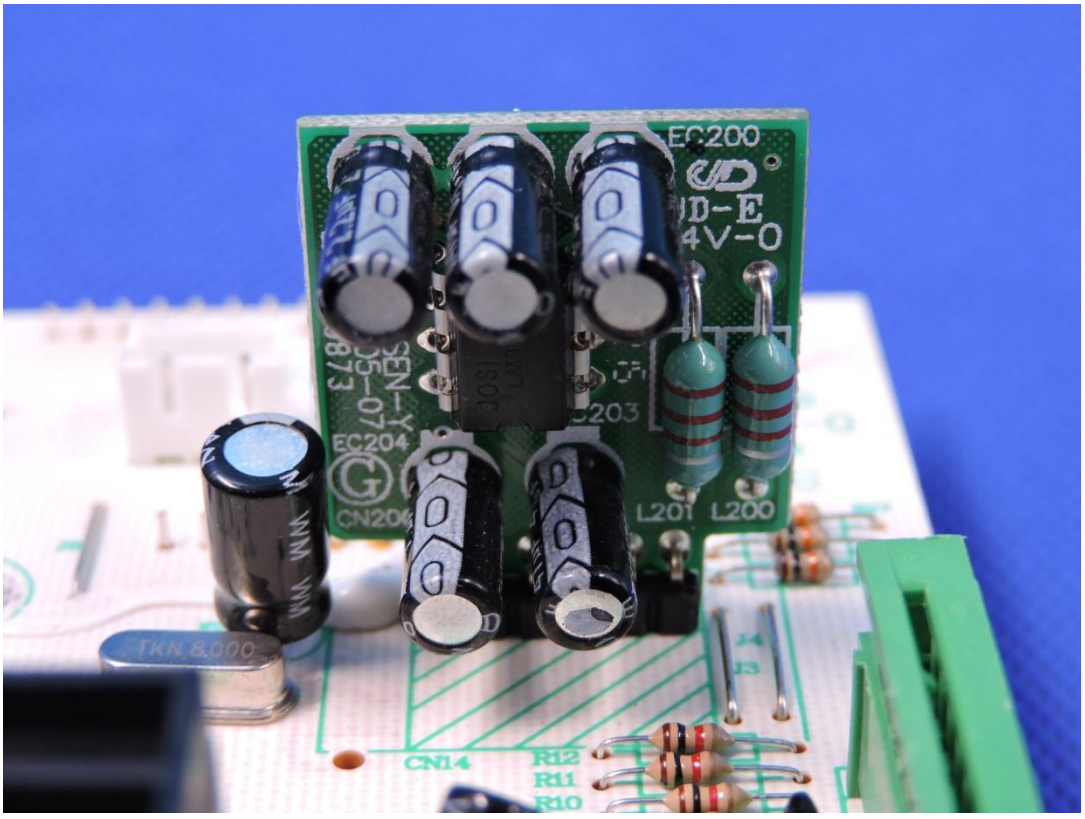


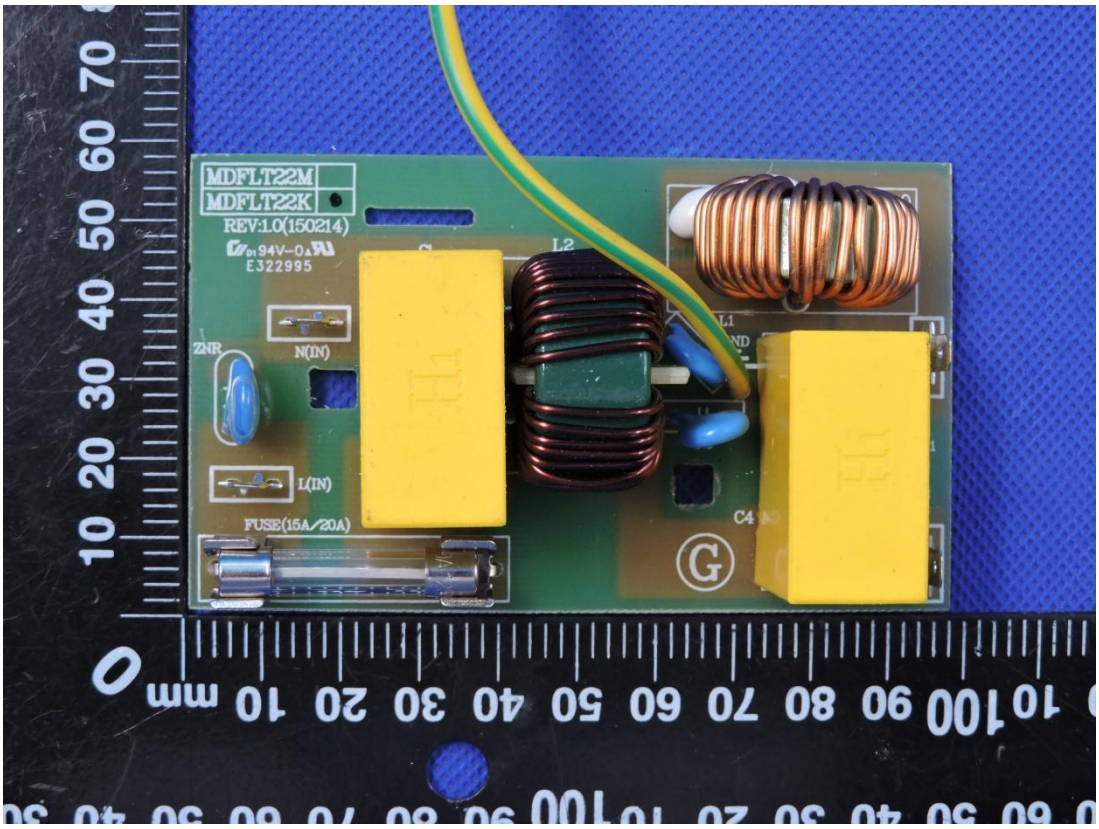

EE16-2.7mH
EMCAA5L-SI-K(P)
Midea
94V-0

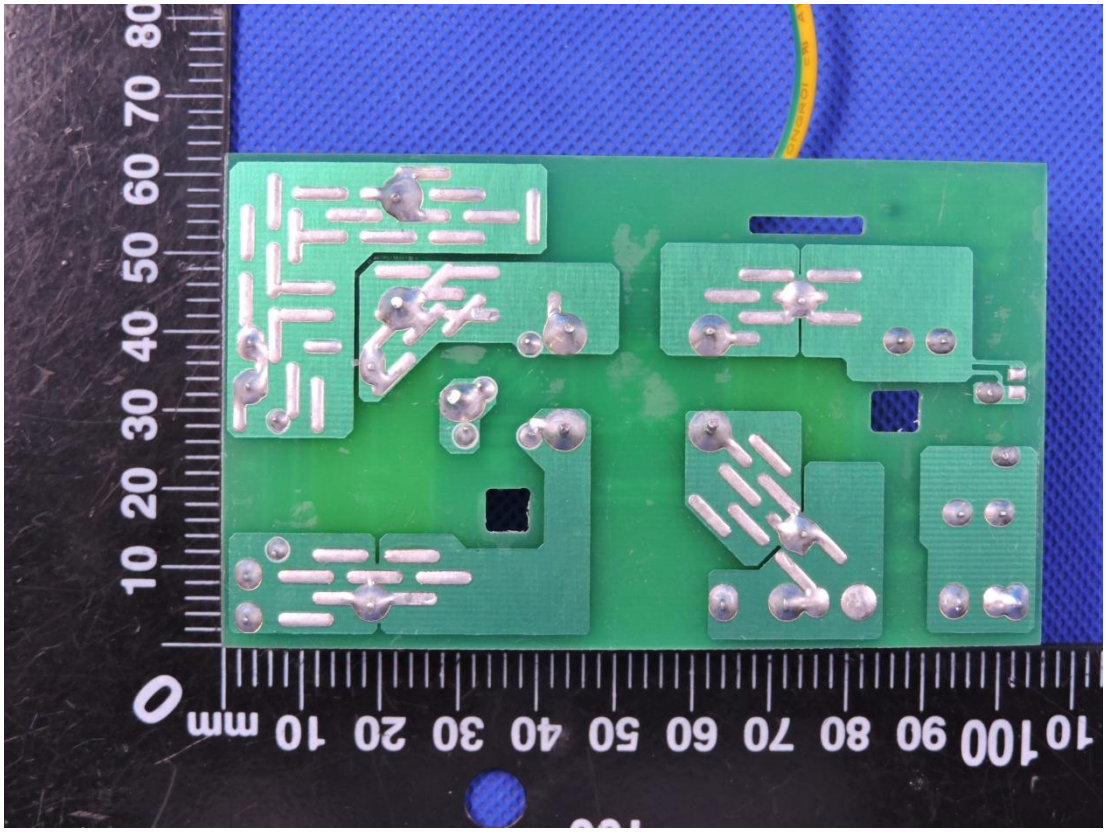


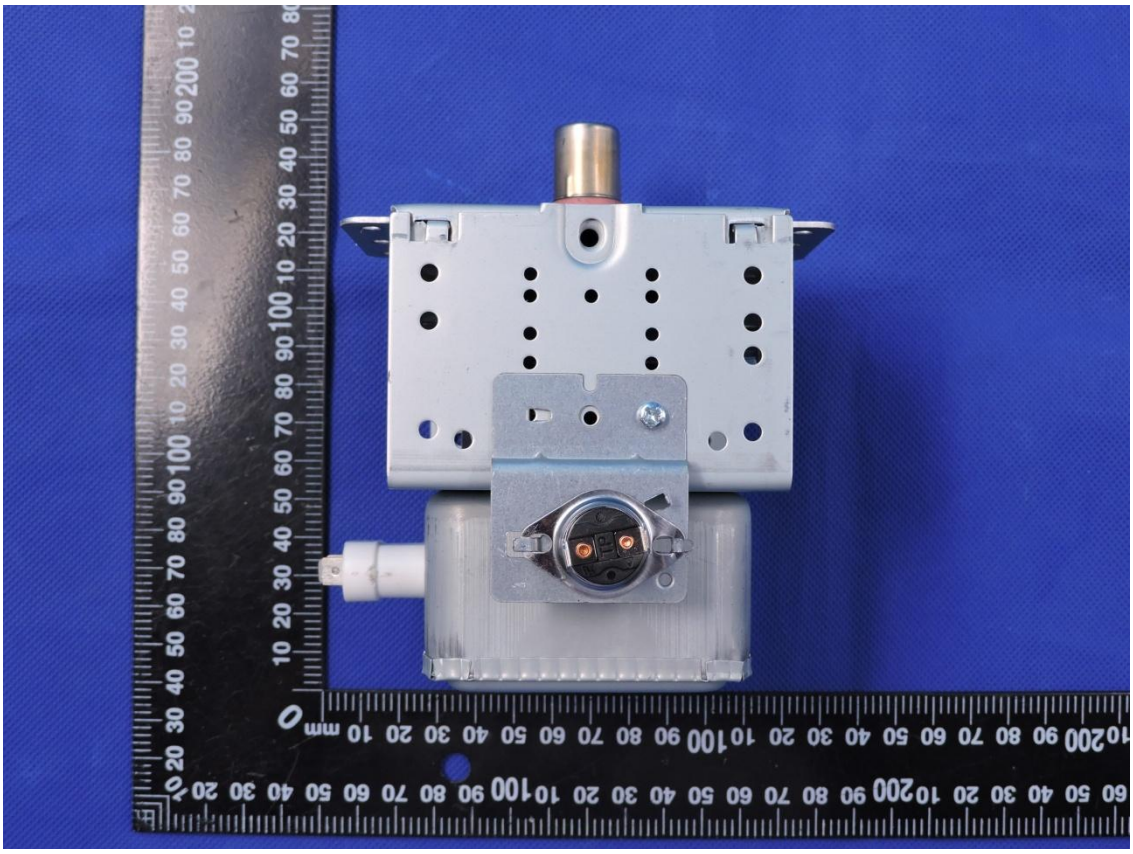


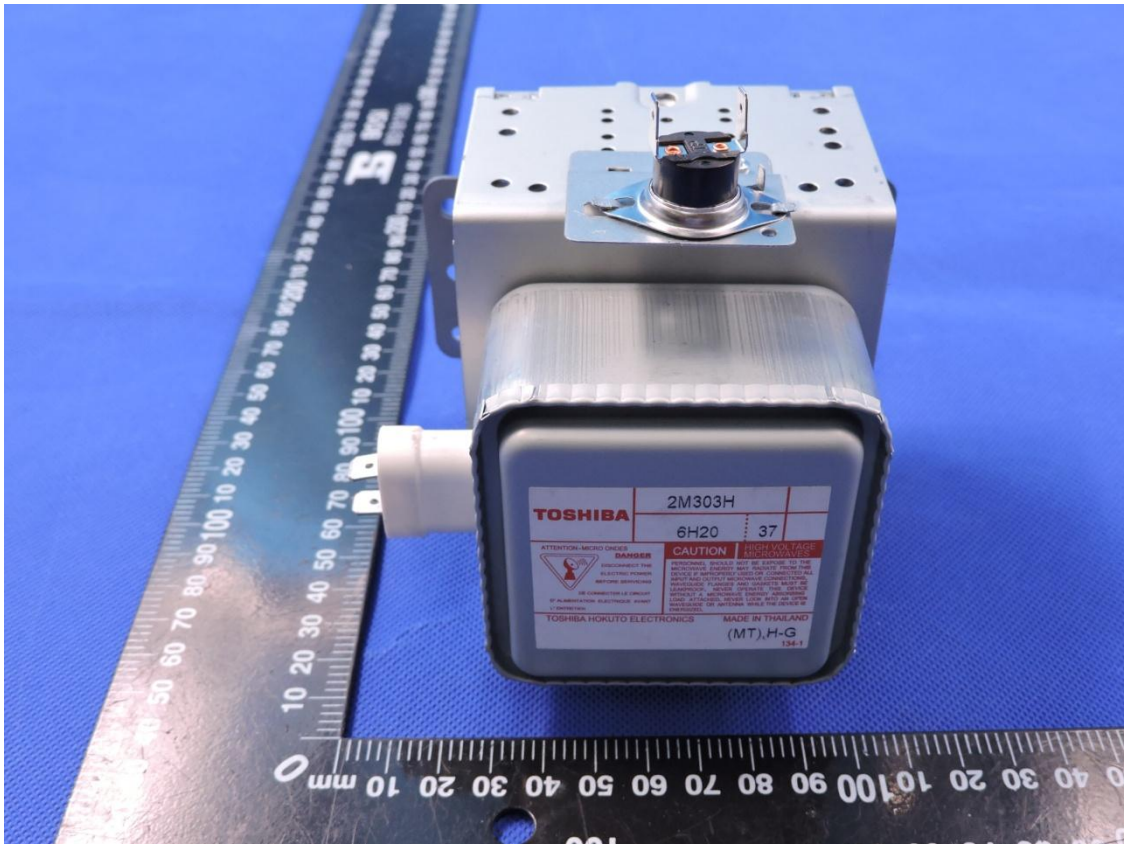

R205
C203
R204
R208
R210
R211
R212
C202
R203
C200
R202
R201
R206
R207
R209
C201
R213
D200
C204
R200

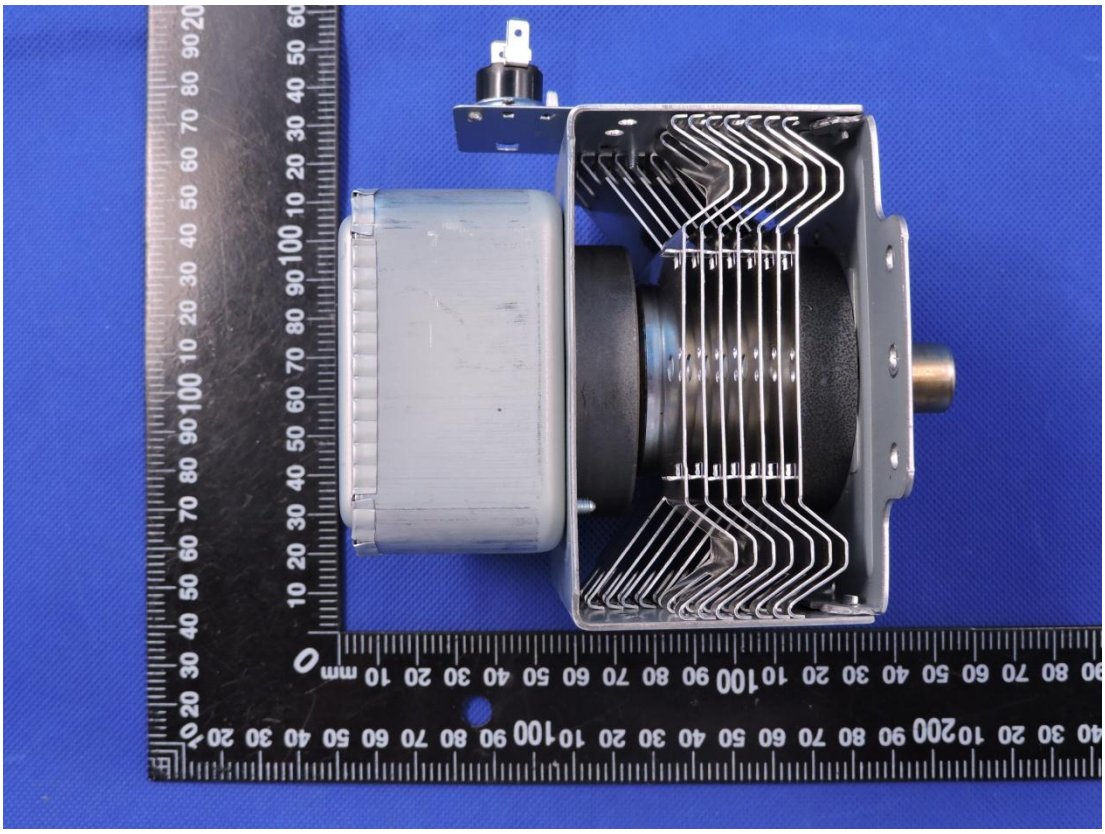

EC200
EC204
L201
L200
CN14
R12
R11
R10

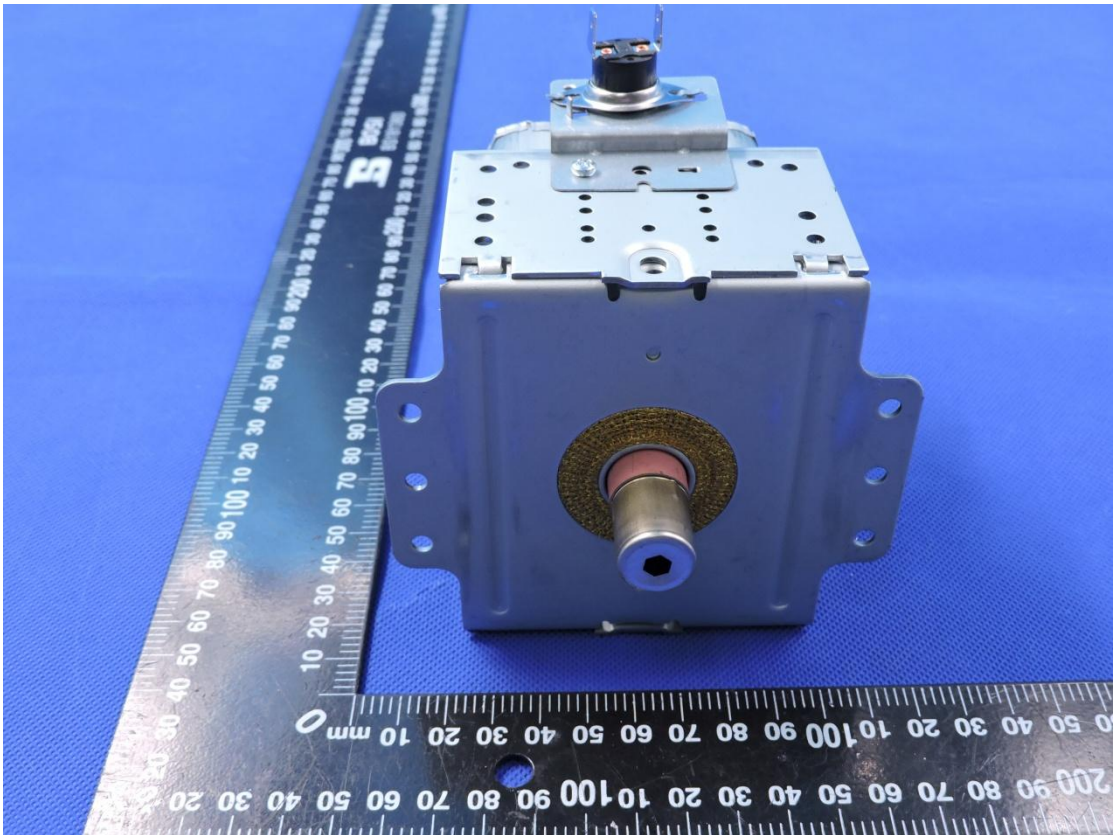

MDFLT22M
MDFLT22K
REV:1.0(150214)
E322995
L2
N(IN)
L(IN)
FUSE(15A/20A)

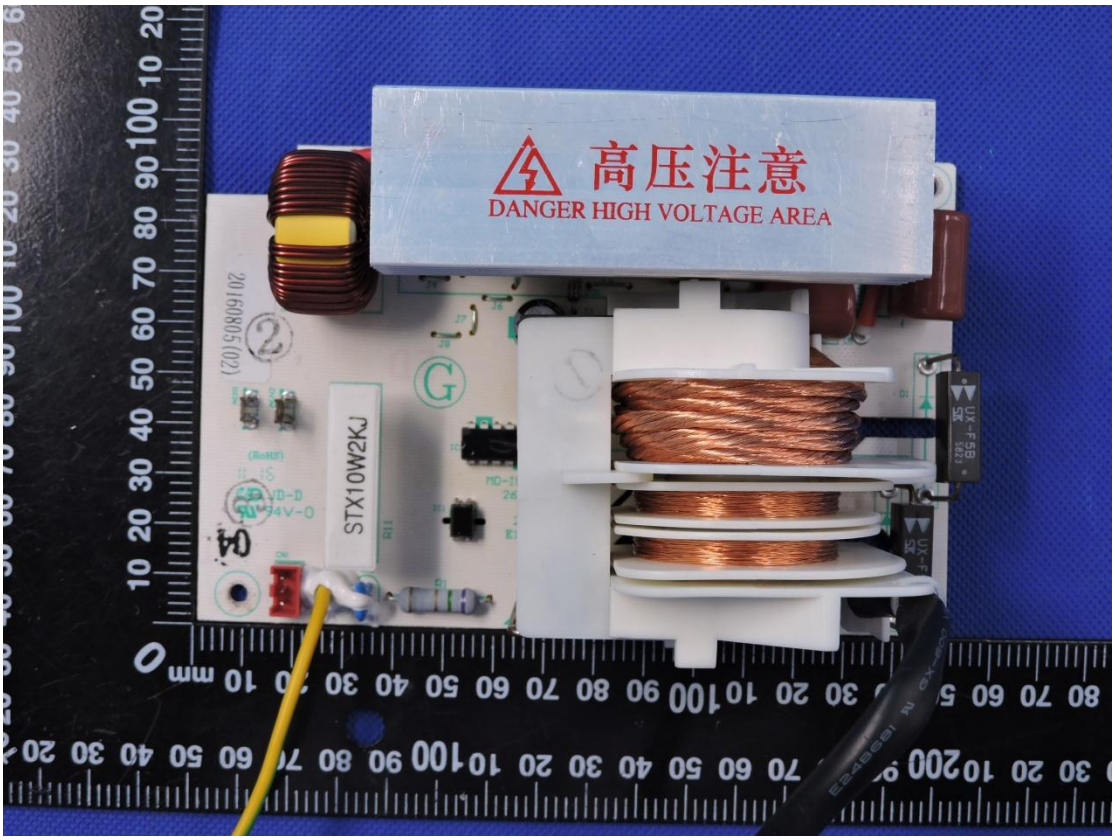


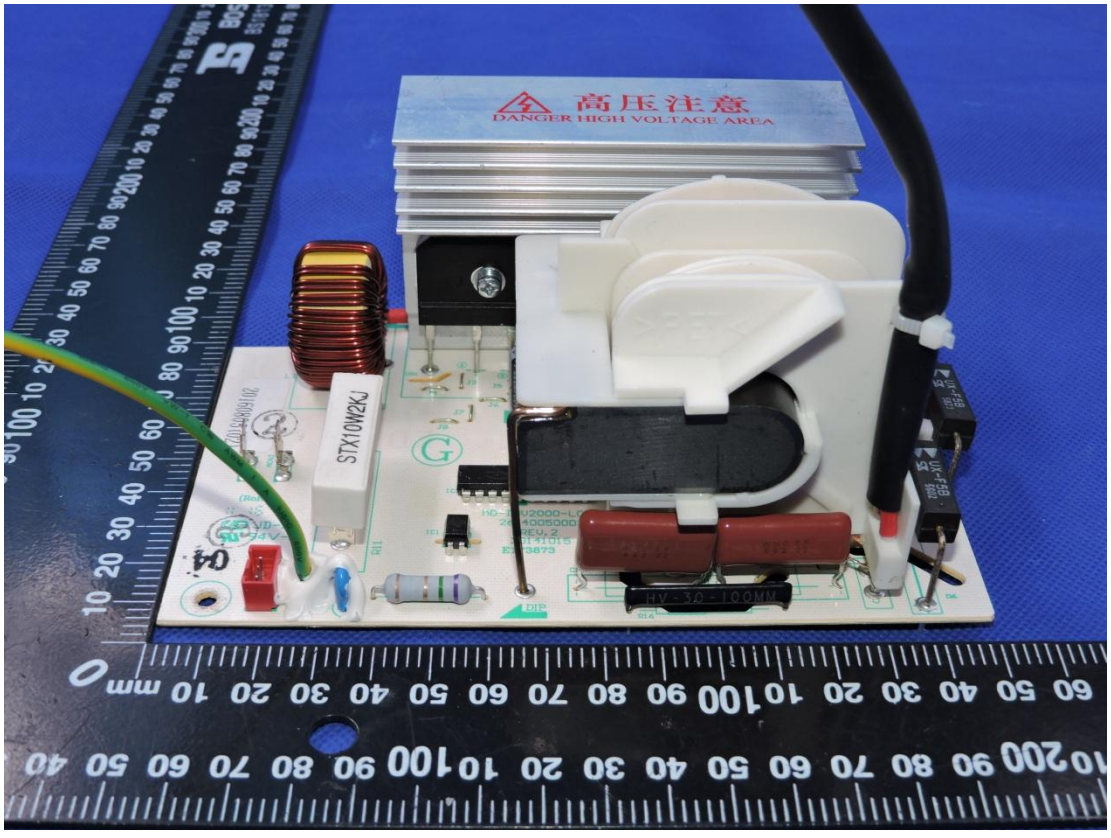


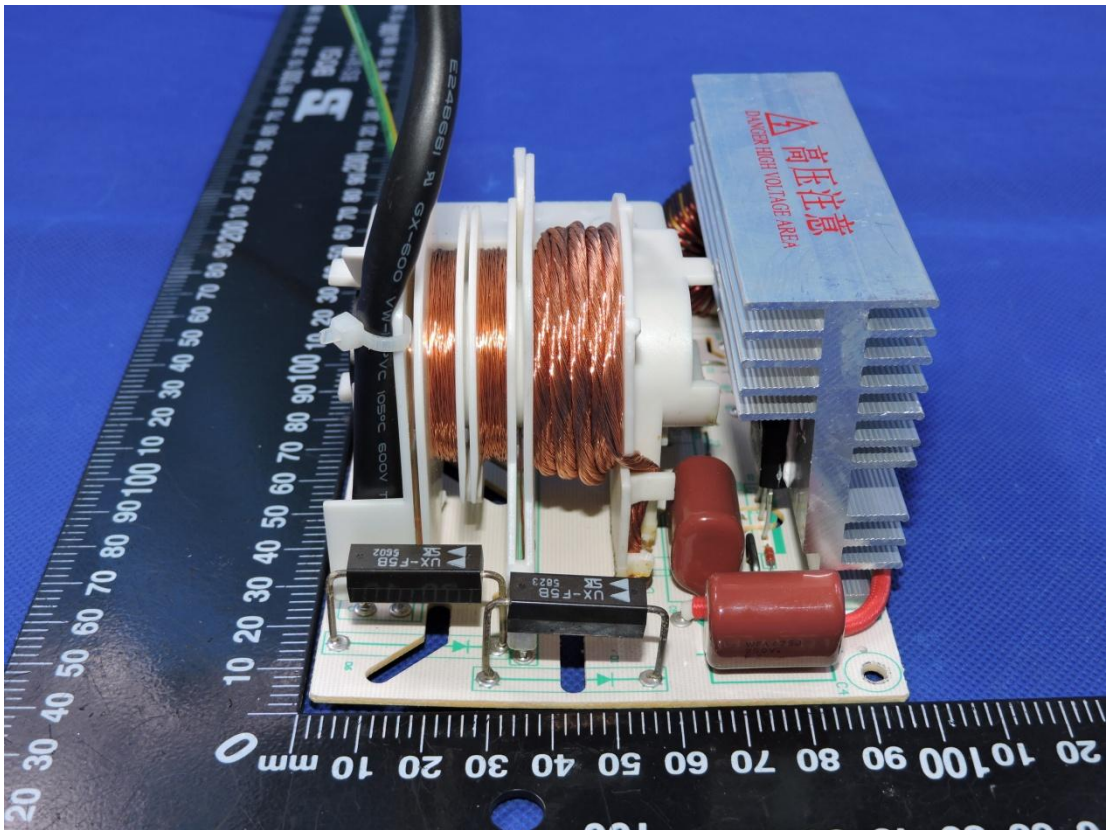

TOSHIBA
2M303H
6H20
37
CAUTION
TOSHIBA HOKUTO ELECTRONICS
MADE IN THAILAND
(MT),H-G

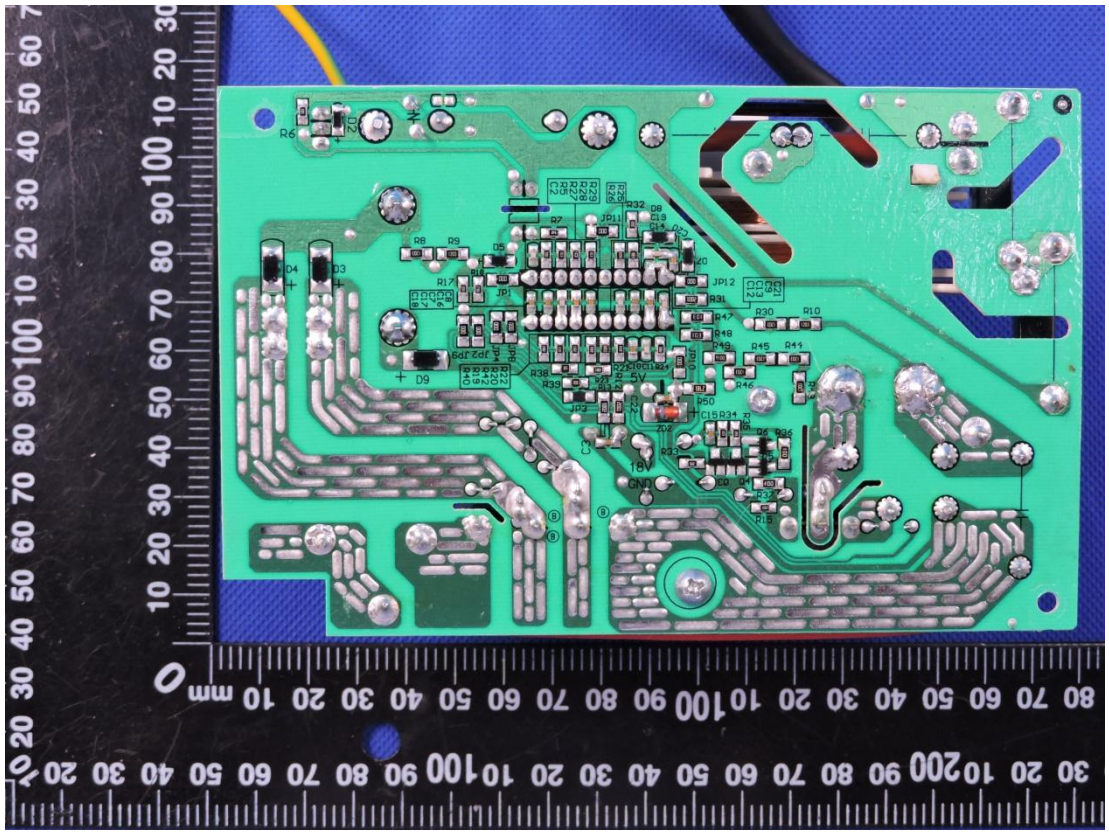





高压注意
DANGER HIGH VOLTAGE AREA
STX10W2KJ


高压注意
DANGER HIGH VOLTAGE AREA
STX10W2KJ





--End of Report--