FCC MPE REPORT

Report No.:	20250317G05020X-E-1
Product Name:	Microwave Oven
Trade Name:	Midea
Model Tested:	EMA34G5MA-S
FCC ID:	2AULTEMA34GYY-S
Applicant:	THAI TOSHIBA ELECTRIC INDUSTRIES COMPANY LIMITED
Received Date:	2025.03.14
Test Data:	2025.04.25-2025.05.15
Issued by:	CCIC Southern Testing Co., Ltd.
Lab Location:	Electronic Testing Building,No.43ShaheRoad,Xili Street, Nanshan District, Shenzhen, Guangdong, China Query E-Mail: manager@ccic-set.com, Feedback E-Mail: integrity@ccic-set.com, Report Query Tel: 0755-26627338, Feedback Tel: 0755-86185963

MAXIMUM PERMISSIBLE EXPOSURE (MPE)

Product Name.....:	Microwave Oven
Model Tested .....:	EMA34G5MA-S
Trade Name.....	Midea
Applicant.....:	THAI TOSHIBA ELECTRIC INDUSTRIES COMPANY LIMITED
Applicant Address.....:	129/1-5, Tiwanon Road, Tha Sai Sub-district, Mueang Nonthaburi District, Nonthaburi Province, Thailand
Manufacturer .....:	THAI TOSHIBA ELECTRIC INDUSTRIES COMPANY LIMITED
Manufacturer Address ...:	129/1-5, Tiwanon Road, Tha Sai Sub-district, Mueang Nonthaburi District, Nonthaburi Province, Thailand
Standard(s) .....:	FCC/OST MP-5(1986), OET Bulletin 56(1999)
Test Result.....:	PASS

Tested by: Deng Shanfei

Deng Shanfei, Test Engineer 2025.05.16

Reviewed by: Sun Jiaohui

Sun Jiaohui, Senior Engineer 2025.05.16

Approved by: Chris You 2025.05.16

Chris You, Manager

1.1 Facilities and Accreditations

1.1.1 Facilities

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.

A2LA Code: 5721.01

CCIC-SET is a third-party testing organization accredited by A2LA according to ISO/IEC 17025. The accreditation certificate number is 5721.01.

1.1.2 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

1.1.3 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 Radiation Hazard Test:	Uc = 2.4 dB (k=2)

EQUIPMENTS LIST

A. Equipment List:

Description	Manufacturer	Model	Serial No.	Calibration Date	Calibration Due. Date
Portable Spectrometer	Rohde & Schwarz	FSH8	A1140401672	2025.01.24	2026.01.23
Probe	Rohde & Schwarz	TSEMF-B1	A1140401671	2025.01.24	2026.01.23

1.2 RADIATION HAZARD TEST

1.2.1 Radiation Hazard (Health) Requirement

For ISM equipment operating on higher frequencies (above 900 MHz), in particulars microwave ovens and medical diathermy equipment, radiation leakage should be measured in accordance with the current Bureau of Radiological Health standard, employing an electromagnetic radiation monitor. This test is made primarily to assure that personnel will not be exposed to radiation hazard in testing the equipment. Equipment submitted to the FCC which have radiation leakage apparently in excess of BRH limit will be reported to BRH for their evaluation. See FCC Bulletin OST 56, "Questions and Answers about Biological Effects and Potential Hazards of Radiofrequency Radiation".

1.2.2 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 770mL 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.

1.2.3 Limit

Limits for General Population/Uncontrolled Exposure

Frequency Range (MHz)	Electric Field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm^2)	Averaging Time $\|E\|^2$, $\|H\|^2$ or S (minutes)
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	($180/f^2$)*	30
30-300	27.5	0.073	0.2	30
300-1500	--	--	f/1500	30
1500-100,000	--	--	1.0	30

f = frequency in MHz *Plane-wave equivalent power density

NOTE 1: Occupational/controlled limits apply in situations in which persons are exposed as a consequence of their employment provided those persons are fully aware of the potential for exposure and can exercise control over their exposure. Limits for occupational/controlled exposure also apply in situations when an individual is transient through a location where occupational/controlled limits apply provided he or she is made aware of the potential for exposure.

NOTE 2: General population/uncontrolled exposures apply in situations in which the general public may be exposed, or in which persons that are exposed as a consequence of their employment may not be fully aware of the potential for exposure or cannot exercise control over their exposure.

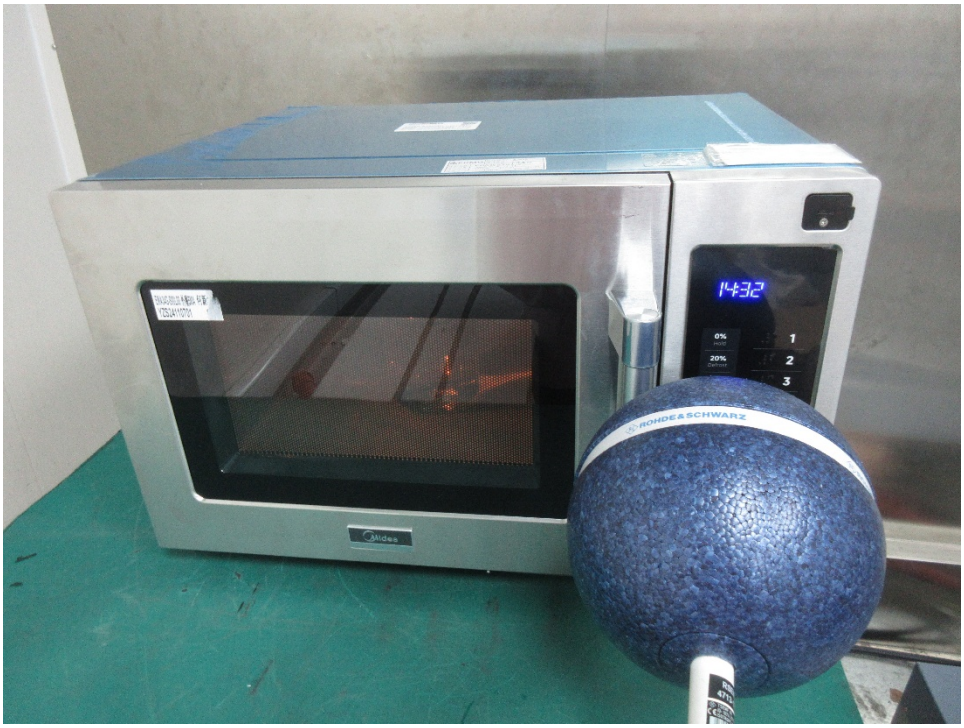
A maximum of 1.0mW/cm^2 is allowed in according with the applicable FCC standards

1.2.4 Test results

Test location:	Test result (mW/cm^2)	Limit (mW/cm^2)	Verdict
Left side	0.25	1.0	Pass
Right side	0.36	1.0	Pass
Front	**0.45**	1.0	Pass
Rear	0.24	1.0	Pass

There was no microwave leakage exceeding a power level of 0.45 mW/cm^2 observed at any point 5cm or more from the external surface of the oven.

1.2.5 Test setup photo



End of the report