

# **FCC Test Report**

Report No.: 2505Q18614EA-A2

**Applicant:** Whirlpool Microwave Products Development Limited.

Address: 17th FI, Elite Centre,22 Hung To Rd, Kwun Tong, Hong Kong

Product Name: Household microwave oven

Product Model: YKMMF330P

Multiple Models: YMMMF6030P, YWMMF5930P

Trade Mark: Whirlpool, MAYTAG

FCC ID: PR4FLUSHP1Y

Standards: FCC CFR Title 47 Part 18

**Test Date**: 2025-03-21 to 2025-03-28

Test Result: Complied

**Report Date:** 2025-04-07

Reviewed by: Approved by:

Lyan Zhang

Ryan Zhang
Project Engineer

Jacob Kong

Jacob Gong

Manager

#### Prepared by:

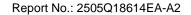
World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China



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# **Revision History**

Version No.	Issued Date	Description
00	2025-04-07	Original

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## 1 General Information

### 1.1 Client Information

Applicant:	Whirlpool Microwave Products Development Limited.
Address: 17th FI, Elite Centre,22 Hung To Rd,Kwun Tong, Hong Kong	
Manufacturer:	Whirlpool Microwave Products Development Limited.
Address:	17th FI, Elite Centre,22 Hung To Rd,Kwun Tong, Hong Kong

# 1.2 Product Description of EUT

The EUT is Household microwave oven operate on 2450MHz ISM frequency Band.

Sample Serial Number	2YVW-2 (assigned by WATC)
Sample Received Date	2025-02-28
Sample Status	Good Condition
Operating Frequency Range	2450MHz±50.0 MHz
Power Supply	AC 120V/60Hz
Microwave Rated Input Power#	1500W
Microwave Rated Output Power#	900W
Modification	Sample No Modification by the test lab

# 1.3 Related Submittal(s)/Grant(s)

No Related Submittal(s)/Grant(s)

## 1.4 Measurement Uncertainty

Parameter		Expanded Uncertainty (Confidence of 95%(U = 2Uc(y)))
AC Power Lines Cond	ucted Emissions	±3.14dB
	Below 30MHz	±2.78dB
Radiated emission	Below 1GHz	±4.84dB
	Above 1GHz	±5.44dB
Frequency Error		150Hz

**Note 1:** The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

**Note 2:** The Decision Rule is based on simple acceptance with ISO Guide 98-4:2012 Clause 8.2 (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

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## 1.5 Laboratory Location

World Alliance Testing & Certification (Shenzhen) Co., Ltd

No. 1002, East Block, Laobing Building, Xingye Road 3012, Xixiang street, Bao'an District, Shenzhen, Guangdong, People's Republic of China

Tel: +86-755-29691511, Email: qa@watc.com.cn

The lab has been recognized as the FCC accredited lab under the KDB 974614 D01 and is listed in the FCC Public Access Link (PAL) database, FCC Registration No. : 463912, the FCC Designation No. : CN5040.

The lab has been recognized by Innovation, Science and Economic Development Canada to test to Canadian radio equipment requirements, the CAB identifier: CN0160.

## 1.6 Test Methodology

FCC CFR 47 Part 18 FCC OST MP-5-1986

Unless otherwise stated there are no any additions to, deviations, or exclusions from the method

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# 2 Description of Measurement

## 2.1 Test Configuration

Test Mode:	
Microwave	The EUT was operate at the maximum microwave output power, according to FCC OST MP-5-1986 section 4.1, a quantity of water in a beaker was put in the oven cooking cavity during test

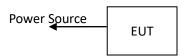
2.2 Test Auxiliary Equipment

Manufacturer	Description	Model	Serial Number
Xiangbo	Glass Beaker	unknown	unknown

2.3 Interconnecting Cables

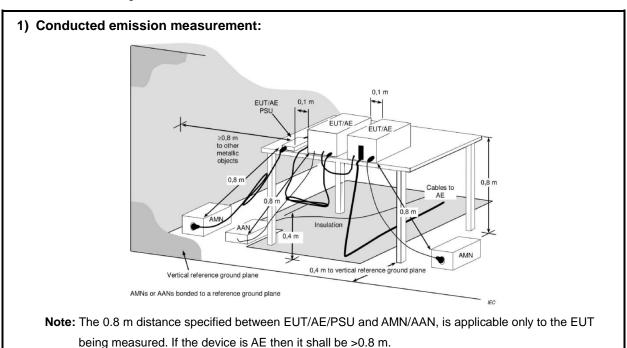
Manufacturer	Description	Length(m)	From	То	
Whirlpool	AC Power Cable	1.0	Power Source	EUT	

# 2.4 Block Diagram of Connection between EUT and AE



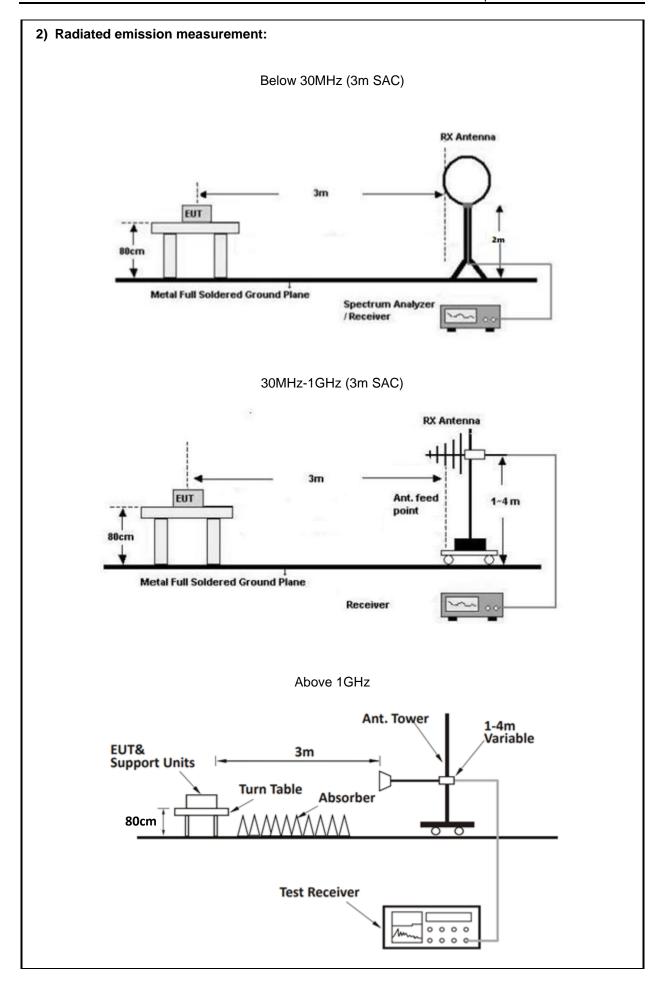
Note: for reference only, the actual connection setup used for testing please refer to the test photos.

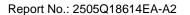
## 2.5 Test Setup



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#### 2.6 Test Procedure

#### Conducted emission:

- 1. The E.U.T is placed on a non-conducting table 40cm from the vertical ground plane and 80cm above the horizontal ground plane (Please refer to the block diagram of the test setup and photographs).
- 2. Both sides of A.C. line are checked for maximum conducted interference.
- 3. The receiver is set to 9kHz resolution bandwidth, final data was recorded in the Quasi-peak and average detection mode.
- 4. Line conducted data is recorded for both Line and Neutral

#### **Radiated Emission Procedure:**

#### a) For 9kHz-30MHz:

- 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
- 2. Loop antenna was used, the antenna height set at around 2 meters. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360°.
- 3. The RBW/VBW of receiver is set to 300Hz/1kHz for 9kHz to 150kHz range, to 9kHz/30kHz for 150kHz to 30MHz range for scan Peak emission, 200Hz/9kHz IF BW was used for final measurement in the average detection mode for frequency range 9~150kHz/150kHz~30MHz respectively.
- 4. If the Peak emission complies with the average limit, then perform final measurement is optional.

#### b) For 30MHz-1GHz:

- 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m semi anechoic chamber. The measurement distance from the EUT to the receiving antenna is 3 m.
- 2. EUT works in each mode of operation that needs to be tested. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
- 3. The RBW/VBW of receiver is set to 100kHz/300kHz for scan Peak emission, 120kHz IF BW was used for final measurement in the average detection mode.
- 4. If the Peak emission complies with the average limit, then perform final measurement is optional.

#### c) For above 1GHz:

- 1. The EUT was placed on the tabletop of a rotating table 0.8 m the ground at a 3 m fully anechoic room. The measurement distance from the EUT to the receiving antenna is 3 m.
- 2. EUT works in each mode of operation that needs to be tested, and having the EUT continuously working. The highest signal levels relative to the limit shall be determined by rotating the EUT from 0° to 360° and with varying the measurement antenna height between 1 m and 4 m in vertical and horizontal polarizations.
- 3. Open the test software to control the test antenna and test turntable. Perform the test, save the test results, and export the test data.

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- 4. Measurements may be performed at a distance closer than that specified in the regulations, in this case the distance correct factor should apply to the result.
- 5. The RBW/VBW of spectrum analyzer is set to 1MHz/3MHz for scan Peak emission, for measured average emission, reduce the VBW to 10Hz.
- 6. If the Peak emission complies with the Average limit, then perform average measurement is optional.

### 2.7 Measurement Method

Description of Test	Measurement Method
AC Line Conducted Emissions	FCC OST MP-5-1986 Section 7
Radiated emission	FCC OST MP-5-1986 Section 5
Operating frequencies	FCC OST MP-5-1986 Section 4.5
Power Output Measurement	FCC OST MP-5-1986 Section 4.3
Radio frequency exposure requirements	FCC OST MP-5-1986 Section 3.1



# 2.8 Measurement Equipment

Manufacturer	Description	Model	Management No.	Calibration Date	Calibration Due Date		
AC Line Conducted Emission Test							
ROHDE&	EMI TEST	ESR	101817	2024/6/4	2025/6/3		
SCHWARZ	RECEIVER	LON	101017	2024/0/4	2025/0/3		
R&S	LISN	ENV216	101748	2024/6/4	2025/6/3		
N/A	Coaxial Cable	NO.12 N/A 20		2024/6/4	2025/6/3		
Farad	Test Software	EZ-EMC	Ver. EMEC-3A1	/	/		
		Radiated Emission	n Test				
R&S	EMI test receiver	ESR3	102758	2024/6/4	2025/6/3		
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40-N	101608	2024/6/4	2025/6/3		
SONOMA INSTRUMENT	Low frequency amplifier	310	186014	2024/6/4	2025/6/3		
COM-POWER	Amplifier	PAM-840A	461306	2024/8/7	2025/8/6		
A.H. Systems	Preamplifier	PAM-0118P	531	2024/6/4	2025/6/3		
BACL	Loop Antenna	1313-1A	4010611	2024/2/7	2027/2/6		
SCHWARZBECK	Log - periodic wideband antenna	VULB 9163	9163-872	2023/7/7	2026/7/6		
Astro Antenna Ltd	Horn antenna	AHA-118S	3015	2023/7/6	2026/7/5		
Ducommun technologies	Horn Antenna	ARH-4223-02	1007726-03	2023/7/10	2026/7/9		
Oulitong	Band Reject Filter	OBSF-2400-248 3.5-50N	OE02103119	2024/6/4	2025/6/3		
N/A	Coaxial Cable	NO.9	N/A	2024/6/4	2025/6/3		
N/A	Coaxial Cable	NO.13	N/A	2024/8/7	2025/8/6		
N/A	Coaxial Cable	NO.15	N/A	2024/6/4	2025/6/3		
N/A	Coaxial Cable	NO.16	N/A	2024/6/4	2025/6/3		
N/A	Coaxial Cable	NO.17	N/A	2024/6/4	2025/6/3		
Audix	Test Software	E3	191218 V9	/	/		
		Operating freque	ncies				
ROHDE& SCHWARZ	SPECTRUM ANALYZER	FSV40-N	101608	2024/6/4	2025/6/3		
Astro Antenna Ltd	Horn antenna	AHA-118S	3015	2023/7/6	2026/7/5		
N/A	Coaxial Cable	N/A	NO.9	2024/6/4	2025/6/3		
N/A	Coaxial Cable	N/A	NO.10	2024/8/7	2025/8/6		
N/A	Coaxial Cable	N/A	NO.11	2024/6/4	2025/6/3		
Audix	Test Software	E3	191218 V9	1	/		
		Power Outpu	t				
YOKOGAWA	Digital Power Meter	253503	25BW3075	2024/8/24	2025/8/23		
Victor	Digital Thermometer	6801	100730669	2024/12/1	2025/11/30		
		Radio frequency ex	posure				
ETS	Microwave Survery Meter	1501	3640274	2024/10/11	2025/10/10		

Note: All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or International standards.



## 3 Test Results

## 3.1 Test Summary

FCC Rules	Description of Test	Result
FCC §18.307	AC Line Conducted Emissions	Compliance
FCC §18.305	Radiated emission	Compliance
FCC §18.301 FCC OST MP-5 §3.2	Operating frequencies	Compliance
FCC OST MP-5 §4.3	Power Output Measurement	Reporting only
FCC §18.313, §2.1091; §1.1310	Radio frequency exposure requirements	Compliance

Note: This is a Class II Permissive Change test report. The applicant declared the difference between EUT and original device (Granted on 2023/03/01) as below:

- 1. Change test model
- 2. Change model name and add multiple models
- 3. Add trade mark
- 4. Change the magnetron
- 5. Change the transformer
- 6. Change capacitance.

The microwave frequency, rated input& output power was not change



# 3.2 Limit

Test items				Limit					
	Frequency of emission (MHz)			Conducted li		imit (dBµV)			
AC Line Conducted Emissions	0.15-0.5				66 to 56 * 56 to		56 to	0 46 *	
	0.5-5	0.5–5			56 46		46		
	5-30				60		50		
	* Decreases with	the loga	arithm of the fre	quency.					
Radiated emission	Equipmen	nt	Operating frequency	generated	equipment		ld strength limit Distand (uV/m) (meter		
	Any type unless otherwise specified frequency (miscellaneous)		Any ISM frequency			25 25 × SQRT(power/500)		300 <sup>1</sup> 300	
Operating frequencies	§18.301 Within ISM free	quenc	y band 2400	-2500MHz					
	§1.1310								
	Frequency range (MHz)	El	lectric field strength (V/m)	stre	etic field ength /m)	Pow dens (mW/c	ity	Averaging time (minutes)	
	(ii) Limits for General Population/Uncontrolled Exposure								
Radio frequency exposure	0.3-1.34	614		1.63		*(100)		<30	
requirements	1.34-30	824/f		2.19/f		*(180/f²)		<30	
	30-300	27.5		0.073		0.2		<30	
	300-1,500					f/1500		<30	
	1,500- 100,000					1.0		<30	
	f = frequency in I	MHz. * :	= Plane-wave e	quivalent pov	ver densit	y.			



# 3.3 Operating frequencies

Test Date:	2025-03-21	Test By:	Bard Huang		
Environment condition:	Temperature: 23.4°C; Relative Humidity:47%; ATM Pressure: 102.5kPa				

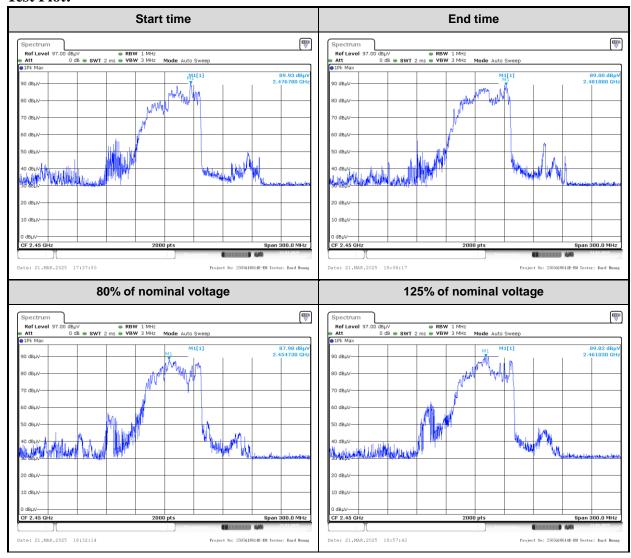
### **Variation in Operating Frequency with Time**

Frequency at Start time(MHz)	Frequency at End time(MHz)	Limit(MHz)
2476.8	2481.9	Within 2400~2500

Variation in Operating Frequency with Line Voltage

Frequency at 80% of nominal voltage(MHz)	Frequency at 125% of nominal voltage(MHz)	Limit(MHz)	
2454.7	2461	Within 2400~2500	

#### **Test Plot:**





# 3.4 Power Output Measurement

<b>Test Date:</b> 2025-03-21		Test By:	Ryan Zhang		
Environment condition:	Temperature: 25.6°C; Relative Humidity:39%; ATM Pressure: 101.0kPa				

#### **Power Input:**

Input Voltage(V <sub>AC</sub> )	Input Current(A)	Input Power(W)	Rated Input Power(W)	
116.9	13.6	1589.84	1500	

Note:

Based on the measured input power, the EUT was found to be operating within the intended specifications.

#### **Power Output:**

Quantity of Water	Mass of the container			Final temperature	Heating time	Power output
(ml)	(g)	(℃)	(℃)	(℃)	(s)	(W)
1000	487	25.6	21.8	34	60	889

#### Formula:

$$P = \frac{4,187 \cdot m_{\rm W} (T_2 - T_1) + 0,55 \cdot m_{\rm C} (T_2 - T_0)}{t}$$

Note:

P is the microwave power output(W)

 $m_w$  is the mass of the water(g)

 $m_c$  is the mass of the container(g)

 $T_0$  is the ambient temperature(  $\mathcal{C}$ )

 $T_1$  is the initial temperature of water(  $\mathcal{C}$ )

 $T_2$  is the final temperature of water(  $\mathcal{C}$ )

t is the water heating time(s), excluding the magnetron filament heating-up time

#### According to FCC § 18.305, the field strength limit of the outside band emissions is:

Limit=20lg(25\*SQRT(Power/500))+20lg(300/3)

=20lg(25\*SQRT(889/500))+20lg(300/3)

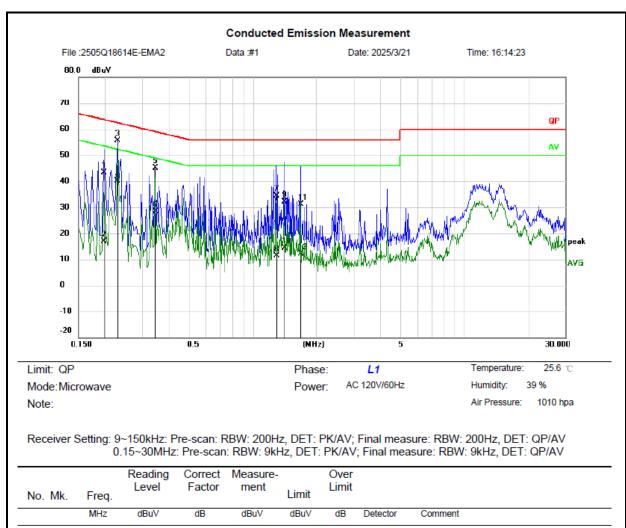
=70.45dBuV/m @3m distance

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## 3.5 AC Line Conducted Emissions Test Data

Test Date:	2025-03-21	Test By:	Ryan Zhang		
Environment condition:	Temperature: 25.6°C; Relative Humidity:39%; ATM Pressure: 101.0kPa				



			Reading	Correct	Measure-		Over		
No.	Mk.	Freq.	Level	Factor	ment	Limit	Limit		
		MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1		0.1980	32.77	10.66	43.43	63.69	-20.26	QP	
2		0.1980	6.23	10.66	16.89	53.69	-36.80	AVG	
3	*	0.2300	44.85	10.67	55.52	62.45	-6.93	QP	
4		0.2300	29.52	10.67	40.19	52.45	-12.26	AVG	
5		0.3460	34.35	10.69	45.04	59.06	-14.02	QP	
6		0.3460	17.74	10.69	28.43	49.06	-20.63	AVG	
7		1.2940	23.35	10.94	34.29	56.00	-21.71	QP	
8		1.2940	0.48	10.94	11.42	46.00	-34.58	AVG	
9		1.4100	21.20	10.82	32.02	56.00	-23.98	QP	
10		1.4100	3.59	10.82	14.41	46.00	-31.59	AVG	
11		1.6860	20.66	10.52	31.18	56.00	-24.82	QP	
12		1.6860	1.66	10.52	12.18	46.00	-33.82	AVG	

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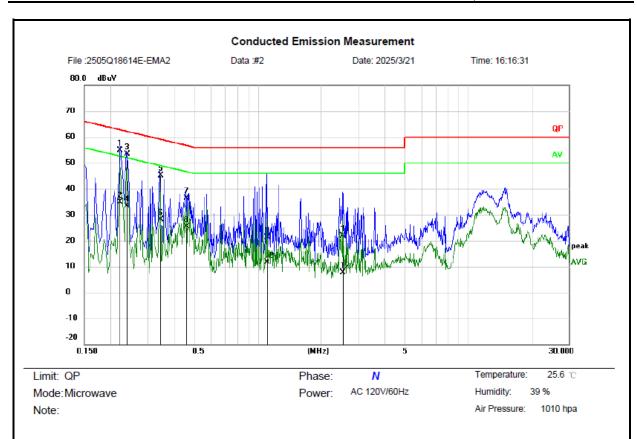
x:Over limit

!:over margin

\*:Maximum data

Engineer Signature: Ryan





Receiver Setting: 9~150kHz: Pre-scan: RBW: 200Hz, DET: PK/AV; Final measure: RBW: 200Hz, DET: QP/AV 0.15~30MHz: Pre-scan: RBW: 9kHz, DET: PK/AV; Final measure: RBW: 9kHz, DET: QP/AV

No. Mk	. Freq.	Reading Level	Correct Factor	Measure- ment	Limit	Over Limit		
	MHz	dBuV	dB	dBuV	dBuV	dB	Detector	Comment
1 *	0.2220	44.40	10.49	54.89	62.74	-7.85	QP	
2	0.2220	24.38	10.49	34.87	52.74	-17.87	AVG	
3	0.2380	42.77	10.51	53.28	62.17	-8.89	QP	
4	0.2380	22.77	10.51	33.28	52.17	-18.89	AVG	
5	0.3460	34.40	10.64	45.04	59.06	-14.02	QP	
6	0.3460	17.58	10.64	28.22	49.06	-20.84	AVG	
7	0.4580	25.57	10.75	36.32	56.73	-20.41	QP	
8	0.4580	14.65	10.75	25.40	46.73	-21.33	AVG	
9	1.1060	10.95	10.27	21.22	56.00	-34.78	QP	
10	1.1060	1.29	10.27	11.56	46.00	-34.44	AVG	
11	2.5380	11.38	10.41	21.79	56.00	-34.21	QP	
12	2.5380	-2.85	10.41	7.56	46.00	-38.44	AVG	

\*:Maximum data x:Over limit !:over margin

Engineer Signature: Ryan

#### Remark:

Measurement (dBuV)= Reading Level (dBuV) + Correct Factor(dB)

Correct Factor (dB)= LISN Voltage Division Factor (dB)+ Cable loss(dB)

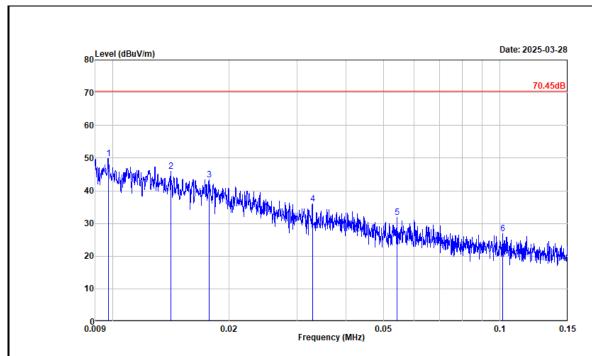
Over Limit = Measurement - Limit



### 3.6 Radiated emission Test Data

#### 9 kHz-30MHz:

Test Date:	2025-03-28	Test By:	Luke Li	
Environment condition:	Temperature: 24.9°C; Relative Humidity:74%; ATM Pressure: 100.2kPa			



Project No. : 2505Q18614E-EMA2 Test Mode : Microwave Test Voltage : AC 120V/60Hz

Environment : 24.9℃/74%R.H./100.2kPa

Tested by : Luke Li Polarization : PARALLEL

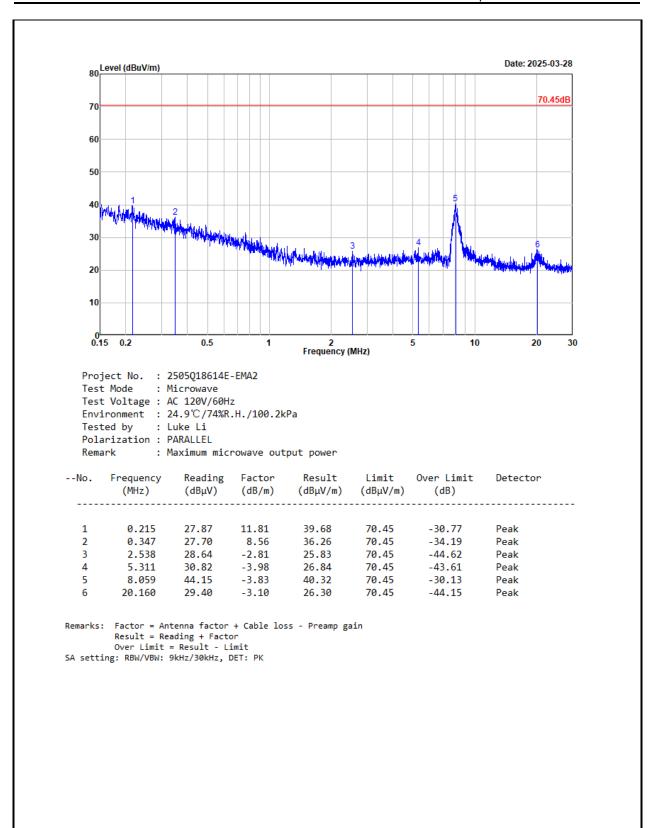
Remark : Maximum microwave output power

Reading Factor Result Limit Over Limit  $(dB\mu V)$  (dB/m)  $(dB\mu V/m)$   $(dB\mu V/m)$  (dB)--No. Frequency Limit Over Limit (MHz) 70.45 0.010 37.50 Peak 12.44 49.94 -20.51 1 2 0.014 11.33 34.66 45.99 70.45 -24.46 Peak 0.018 11.10 0.033 11.99 32.36 24.02 43.46 70.45 36.01 70.45 31.90 70.45 3 -26.99 Peak 4 -34.44 Peak 0.054 11.99 19.91 5 -38.55 Peak 0.102 11.76 15.07 70.45 -43.62 Peak 26.83 6

Remarks: Factor = Antenna factor + Cable loss - Preamp gain Result = Reading + Factor

Over Limit = Result - Limit
SA setting: RBW/VBW: 200Hz/1kHz, DET: PK



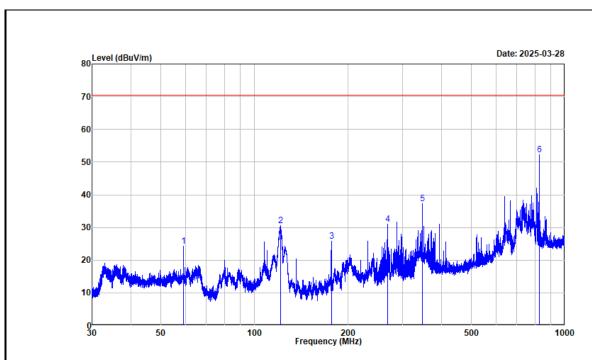


For radiated emissions below 30MHz, there were no emissions found within 20dB of limit.



#### 30MHz-1GHz:

<b>Test Date:</b> 2025-03-28		Test By:	Luke Li		
Environment condition:	Temperature: 24.9°C; Relative Humidity:74%; ATM Pressure: 100.2kPa				



Project No. : 2505Q18614E Test Mode : Microwave Test Voltage : AC 120V/60Hz

Environment :  $24.9\,^{\circ}\mathrm{C}/74\%R.H./100.2kPa$ 

Tested by : Luke Li Polarization : horizontal

Remark : Maximum microwave output power

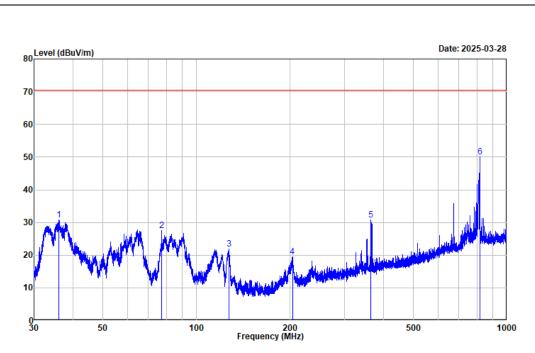
No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector
1	59.077	37.80	-13.49	24.31	70.45	-46.14	Peak
2	121.176	46.63	-15.98	30.65	70.45	-39.80	Peak
3	177.431	41.63	-15.76	25.87	70.45	-44.58	Peak
4	268.956	42.95	-11.96	30.99	70.45	-39.46	Peak
5	347.570	46.97	-9.66	37.31	70.45	-33.14	Peak
6	826.406	54.48	-2.24	52.24	70.45	-18.21	Peak

Remarks: Factor = Antenna factor + Cable loss - Preamp gain Result = Reading + Factor

Over Limit = Result - Limit

SA setting: Pre-scan: RBW/VBW: 100kHz/300kHz, DET: PK
Final measure: RBW: 120kHz, DET: QP





Project No. : 2505Q18614E Test Mode : Microwave Test Voltage : AC 120V/60Hz

Environment :  $24.9\,^{\circ}\mathrm{C}/74\%R.H./100.2kPa$ 

Tested by : Luke Li Polarization : vertical

Remark : Maximum microwave output power

No.	Frequency (MHz)	Reading (dBμV)	Factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Over Limit (dB)	Detector	
1	36.048	45.17	-14.33	30.84	70.45	-39.61	Peak	
2	77.253	45.67	-18.11	27.56	70.45	-42.89	Peak	
3	127.329	38.81	-16.92	21.89	70.45	-48.56	Peak	
4	203.880	33.14	-13.73	19.41	70.45	-51.04	Peak	
5	365.379	40.14	-9.39	30.75	70.45	-39.70	Peak	
6	818.117	52.32	-2.30	50.02	70.45	-20.43	Peak	

Remarks: Factor = Antenna factor + Cable loss - Preamp gain Result = Reading + Factor

Over Limit = Result - Limit

SA setting: Pre-scan: RBW/VBW: 100kHz/300kHz, DET: PK Final measure: RBW: 120kHz, DET: QP Report No.: 2505Q18614EA-A2

#### Above 1GHz:

Test Date:	2025-03-21	Test By:	Bard Huang		
Environment condition:	Temperature: 23.4°C; Relative Humidity:47%; ATM Pressure: 102.5kPa				

Frequency (MHz)	Reading level (dBµV)	Polar	Corrected Factor (dB/m)	Corrected Amplitude (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Remark
2328.000	42.02	horizontal	-3.00	39.02	70.45	-31.43	Average
2515.000	42.03	horizontal	-2.62	39.41	70.45	-31.04	Average
4346.000	54.85	horizontal	-4.59	50.26	70.45	-20.19	Average
2352.000	43.85	vertical	-2.93	40.92	70.45	-29.53	Average
2530.000	44.65	vertical	-2.62	42.03	70.45	-28.42	Average
4348.000	55.74	vertical	-4.60	51.14	70.45	-19.31	Average
Second and third harmonic							
700ml Water							
4966.000	42.22	horizontal	-1.70	40.52	70.45	-29.93	Average
7444.000	42.96	horizontal	-1.38	41.58	70.45	-28.87	Average
4915.000	42.10	vertical	-1.70	40.40	70.45	-30.05	Average
7395.000	43.22	vertical	-1.27	41.95	70.45	-28.50	Average
300ml Water							
4931.000	43.93	horizontal	-1.71	42.22	70.45	-28.23	Average
7398.000	42.69	horizontal	-1.27	41.42	70.45	-29.03	Average
4924.000	42.57	vertical	-1.70	40.87	70.45	-29.58	Average
7398.000	42.74	vertical	-1.27	41.47	70.45	-28.98	Average

#### Remark:

Corrected Amplitude= Reading level + corrected Factor

Corrected Factor = Antenna factor + Cable loss – Amplifier gain

Margin = Corrected Amplitude – Limit

The emission levels of other frequencies that were lower than the limit 20dB not show in test report.

For emissions in 18GHz-25GHz range, all emissions were investigated and in the noise floor level.

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# 3.7 Radio frequency exposure

Test Date:	2025-03-21	Test By:	Ryan Zhang		
Environment condition:	Temperature: 25.6°C; Relative Humidity:39%; ATM Pressure: 101.0kPa				

Radiation leakage was measured in the as-received condition with the oven door closed using a microwave leakage meter.

A 275mL water load was placed in the center of the oven and the oven was operated at maximum output power.

There was no microwave leakage exceeding a power level of  $\underline{\mathbf{0.1}}$  mW/cm<sup>2</sup> observed at any point 5 cm or more from the external surface of the oven.

A maximum of 1.0mW/cm<sup>2</sup> is allowed in accordance with the applicable Federal Standards. Hence, microwave leakage in the as-received condition with the oven door closed was below the maximum allowed.

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# 4 Test Setup Photo

Please refer to the attachment 2505Q18614E-A2 Test Setup photo.



# 5 E.U.T Photo

Please refer to the attachment 2505Q18614E-A2 External photo and 2505Q18614E-A2 Internal photo.

---End of Report---