

TEST REPORT

CERTIFICATION OF COMPLIANCE

Date of Issue: July 18, 2024

Test Report No: CW011252-240617001_01

Test Site: LG Electronics H&A EMC Standard Lab.

Applicant: LG Electronics USA, Inc.
111 Sylvan Avenue, North Building
Englewood Cliffs, NJ 07632

Product Type: Household Electric Oven

Brand Name(s): LG, SIGNATURE KITCHEN SUITE

Model Name : WCEK6429S (See 2.1 for Series model names)

Equipment Class: Industrial, Scientific and Medical equipment

Regulation: FCC Part 18 – ISM Consumer Device

Test Procedure: FCC/OET MP-5: 1986

Date of Receipt: July. 02. 2024

Date of Test July. 02. 2024 ~ July. 11. 2024

FCC ID: BEJD1724NAGTA

This device has been verified to comply with the applicable requirements in the FCC Part 18 and was tested in accordance with the measurement procedures specified in MP-5: 1986.

I assure full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Note 1: This report apply only to the specific sample(s) tested under stated test conditions.

Note2: This report is the confidential property of the client. As a mutual protection to our clients, the public and ourselves, extracts from the test report shall not be reproduced except in full without our written approval.

Tested by:



Sung Gun, Cho / Test Engineer
H&A EMC Standard Lab., LG Electronics Inc.

Reviewed by:



Tae Yul, Kim / Technical Manager
H&A EMC Standard Lab., LG Electronics Inc.

LG Electronics H&A EMC Standard Lab.

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1. General Information

1.1 Client Information

The EUT has been tested by request of:

Applicant: LG Electronics USA, Inc.
Address 111 Sylvan Avenue, North Building
Englewood Cliffs, NJ 07632

Manufacturer: LG Electronics Inc
Address 170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, 51533, Republic of KOREA

Name of contact: Young June, Park
Telephone: +82-55-717-1233

1.2 Test facility

We are the accredited EMC laboratory by RRA(KOREA).

We certify that the above products had performed test on our laboratory and it was confirmed to comply with FCC requirement.

The site are constructed in conformance with the requirements of CISPR publication 16/ANSI C63.4

The test was performed accordance to the procedures from FCC/OET MP-5.

Name and Address: LG Electronics H&A EMC Standard Lab.
170, Seongsanpaechong-ro, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, 51533, Republic of KOREA

RRA Registration No. KR0152

Telephone: +82-55-260-3966

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2. Product Information

2.1 Description of EUT.

EUT is the LG Electronics Inc. Household Electric Oven as followings:

Equipment:	Household Electric Oven
Model:	WCEK6429S (Buyer model No.: SKSCV3012MT)
Series Model Name	WCEK6429*, SKSCV3012**
Brand name:	LG, SIGNATURE KITCHEN SUITE
Serial number:	N/A
Magnetron:	2M246 by LG
RF Frequency:	2,450 ± 50 MHz
RF Power Output:	950 W
Power Consumption	1650 W (Microwave Mode)
Rated Input Voltage:	120 V~, 60 Hz (From 3WIRE-1P 120/240 V or 120/208 V, 60 Hz)
Rated Input Current	14.0 A (Microwave Mode)
Cavity Volume:	Upper MWO 1.7 cu.ft , Lower Oven 4.7cu.ft
Oven Type:	Over the range / Household
Mode Stirrer:	Turntable
Power Cord:	Unshielded (1630 mm)
Outer Dimensions (inch)	29-3/4 x 43 7/8 x 24 7/15 (W x H x D)

Model WCEK6429S which was tested as a representative model is identical to the exterior excluding the series models mentioned below.

series model : WCEK6429*

Variable	Rang of variable	Contents
1st ^{1*}	A to Z or blank	Exterior enclosure Color

series model : SKSCV3012**

Variable	Rang of variable	Contents
1st ^{1*}	A to Z or blank	Exterior enclosure Color
2nd ^{1*}	A to Z or blank	
Model SKSCV3012MT is sales model name of WCEK6429S.		

EMI suppression device(s) installed in production: See schematics (Appendix. EUT photos)

EMI suppression device(s) added and/or modified during test: None

3. Description of tests

3.1 Test Condition.

The EUT was installed, arranged and operated in a manner that is most representative of equipment as typically used.

The measurements were carried out while varying operating modes and cable positions within typically arrangement to determine maximum emission level.

The representative and worst test mode(s) were noted in the test report.

- Test Voltage / Frequency: AC 120 V, 60 Hz
- Operating condition during the test(s) : Below configurations with AC Power operating.

MWO mode : The EUT is tested in the configurations of Maximum RF Power Output
 *At that time, Wifi-BT combo module is also activating.

3.2 Auxiliary Equipment / Cable List

3.2.1 Auxiliary Equipment

Description	Manufacturer	Model Name	S/N & FCC ID.
Wifi-BT module	LG Electronics Inc.	LAIWB4	S/N: - FCC ID.: BEJ-LAIWB4

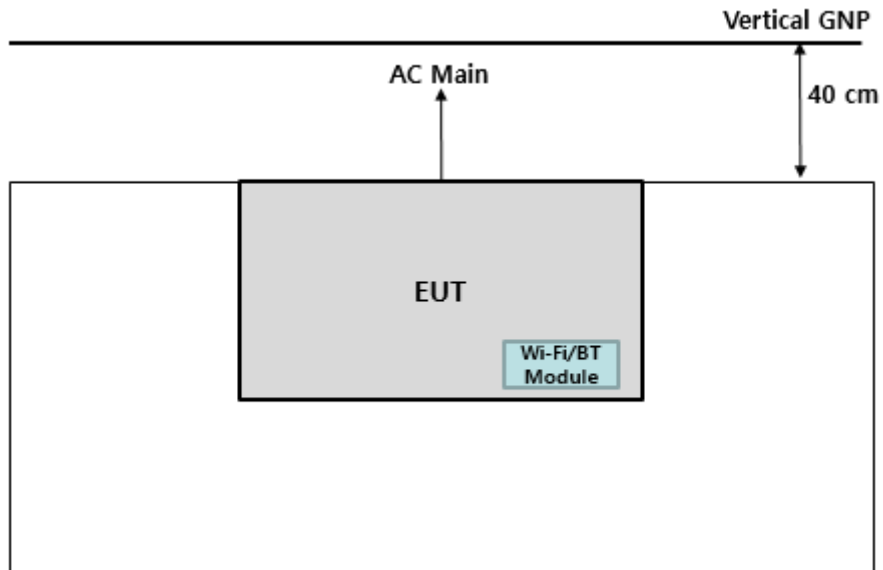
3.2.2 System Configuration

Description	Manufacturer	Model Name	S/N & FCC ID.

3.2.3 Cable List

Start		End		Cable Spec.	
Name	I/O Port	Name	I/O Port	Length	Shield
EUT	AC IN	AC Power Source	-	1630 (mm)	Unshielded

3.3 Test System Layout



4. Summary of Test Results

Applied Standards	Test Item	Result
FCC/OET MP-5 (4.3)	RF Power Output	Complied
FCC Part 18 §18.301	Frequency measurements	Complied
FCC/OET MP-5 (3.1)	Power Density Safety Check	Complied
FCC Part 18 §18.307	Conducted Emission	Complied
FCC Part 18 §18.305	Radiated Emission	Complied

5. Input Power

5.1 Operating Environment

Temperature : 23.5 °C
 Relative Humidity : 42.3 % R.H.
 Air Pressure : 99.0 kPa

5.2 Test Set-up

The input power was measured using Wattmeter. A 275 ml water load in a polypropylene beaker is placed in the center of the oven. The 275 ml water was chosen for its compatibility with UL procedure to determine input ratings. The oven was operated at the rated input and full output power for 6 minutes.

5.3 Test Equipment

Description	Model Name	Manufacturer	Serial Number	Due to Calibration
AC Power supply	AFC-1010	AFC Korea	140051-1Φ	Feb. 19, 2025
Digital Power Meter	WT110	Yokogawa	12VB14689-L	Feb. 08, 2025

5.4 Test data for Input Power

- Test Date : July. 09, 2024
 - Test Condition : Maximum output power mode

1) Magnetron type: 2M246 by LG

Mode	Input Voltage	Current [A]	Power Consumption [W]	Manufacturer Rating [A]
Microwave	120 Vac, 60 Hz	14.81	1634	14.0

6. RF Power Output Measurement according to MP-5.

6.1 Operating Environment

Temperature : 23.5 °C
 Relative Humidity : 42.3 % R.H.
 Air Pressure : 99.0 kPa

6.2 Test Set-up

The Calorimetric Method was used to determine maximum output power. A 1,000 ml water load was placed in the center of the oven. A mercury thermometer was used to measure temperature rise. The test method was described in MP-5.

6.3 Test Equipment

Description	Model Name	Manufacturer	Serial Number	Due to Calibration
AC Power supply	AFC-1010	AFC Korea	140051-1Φ	Feb. 19, 2025

6.4 Test data for RF Power Output Measurement

- Test Date : July. 09, 2024
 - Test Condition : Maximum output power mode

1) Magnetron type: 2M246 by LG

$$\text{Power [W]} = \frac{(4.187 \text{ Joules/Cal}) * (\text{Volume in ml}) * (\text{Temperature Rise})}{\text{Time in Seconds}}$$

<u>Quantity of Water</u>	<u>Starting Temperature</u>	<u>Final Temperature</u>	<u>Elapsed Time</u>
1,000 ml	23.9 °C	43.4 °C	120 Sec

$$\text{Power [W]} = \frac{4.187 * 1,000 * 19.5}{120}$$

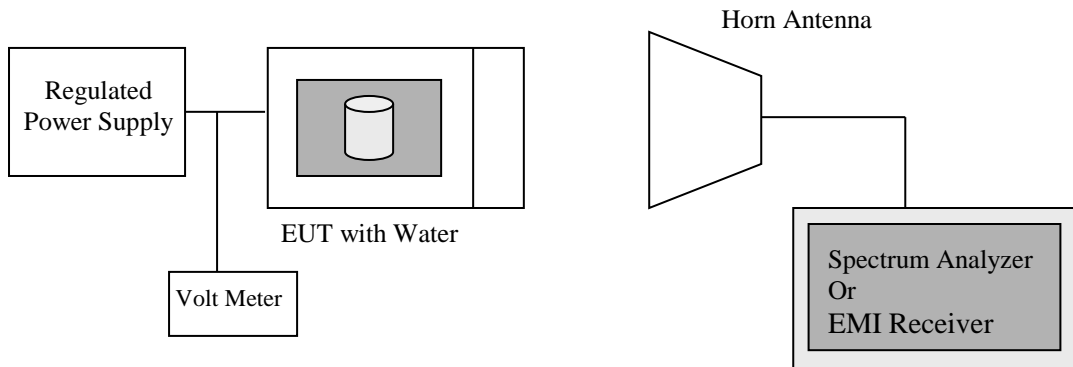
$$\text{Power [W]} = 680.38 \text{ Watts}$$

7. Frequency measurements

7.1 Operating Environment

Temperature : 23.5 °C
 Relative Humidity : 42.3 % R.H.
 Air Pressure : 99.0 kPa

7.2 Test Set-up



7.3 Test Equipment

Description	Model Name	Manufacturer	Serial Number	Due to Calibration
Receiver	ESU 26	Rohde & Schwarz	100164	July. 01, 2025
Horn Ant	RGA-60	Electro-metrics	6104	July. 01, 2025
Antenna Master	2070-2	EMKO	9903-2231	N/A

7.4 Test data for Frequency measurements

- Test Date : July. 09, 2024
- Test Condition : Maximum output power mode

1) Magnetron type: 2M246 by LG

(1) Frequency vs Line Voltage Variation Test

Variation of line voltage from 80 % (96 V) to 125 % (150 V)

Load: 1,000 ml

Fundamental Frequency: 2,450 MHz

Limit: $2.4 \text{ GHz} < f < 2.5 \text{ GHz}$

Maximum Frequency Observed: 2,461 MHz

Minimum Frequency Observed: 2,443 MHz

Result: Pass

* Test result diagram is included in the APPENDIX A (Spectral Diagrams).

(2) Frequency vs Load Variation Test

Frequency was measured at the rated input voltage (AC 120 V).

Initial Load: 1,000 ml

Final Load: 200 ml

Fundamental Frequency: 2,450 MHz

Limit: $2.4 \text{ GHz} < f < 2.5 \text{ GHz}$

Maximum Frequency Observed: 2,473 MHz

Minimum Frequency Observed: 2,440 MHz

Result: Pass

* Test result diagram is included in the APPENDIX A (Spectral Diagrams).

8. Power Density Safety Check

8.1 Test Set-up

The power density was checked to ensure that the power is not greater than 1.0 mW/cm² at any location of the oven. The 1.0 mW/cm² is in accordance with CDRH and UL923 standard.

A microwave survey meter was placed on all sides, door and viewing, bottom, top and rear.

The leakage microwave and did not exceed the specified limits.

8.2 Test Equipment

Description	Model Name	Manufacturer	Serial Number	Due to Calibration
Microwave Survey Meter	FJZ005 HA	Holiday Industries Inc.	-	Feb. 13, 2025

8.3 Test data for Frequency measurements

-. Test Date : July. 11, 2024
-. Test Condition : -

1) Magnetron type: 2M246 by LG

Maximum Leakage Microwave Observed 0.16 mW/cm²

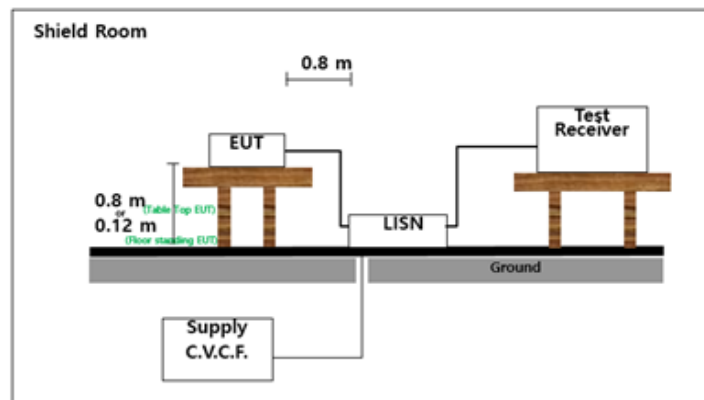
Result: Pass

9. Conducted emissions

9.1 Operating Environment

Temperature	:	24.7 °C
Relative Humidity	:	43.5 % R.H.
Air Pressure	:	100.1 kPa

9.2 Test Set-up



Conducted emission was measured at a frequency range 150 kHz to 30 MHz. The Power Line disturbance voltage was measured with the equipment under test (EUT) in a shielded room. The EUT was connected to a line impedance stabilization network (LISN) placed on the floor. Tabletop devices shall be placed on a non-conducting platform, raised 80 cm above the reference ground plane. Floor-standing devices shall be insulated, if required, from the ground plane by up to 12 mm of insulating material.

The vertical conducting surface was replaced with horizontal ground plane. Length of the power lead in excess of 80 cm horizontally separating the EUT from LISN was folded back-and-forth form at the center of the power cord not exceeding 40 cm in length.

The EUT was operated with a load of 700 ml water initially at 20 °C ± 5 °C placed at the center of the load-carrying surface.

A LISN (Line impedance stabilization network) with characteristics that conform to the requirements of ANSI C63.4-2009 was used for the measurement of conducted power-line radio noise; (50 micro-henries / 50 ohms). Chassis and earth-points for grounding of the LISN were earth-grounded.

The line conducted emission measurement procedure and test configuration is based on MP-5:1986. Amplitude measurements were performed with a quasi-peak detector and, if required, with an average detector.

Below data are the highest levels in Microwave mode.

An overview sweep performed with peak detector is included in the APPENDIX A (Spectral Diagrams).

9.3 Measurement Uncertainty

The measurement uncertainty was calculated in accordance with ISO “Guide to the expression of uncertainty in measurement.”

The measurement uncertainty was given with a confidence of 95 %.

Test Items	Uncertainty	Remark
Conducted emission (150 kHz ~ 30 MHz)	2.5 dB	Confidence level of approximately 95 % ($k = 2$)

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

The listed uncertainties are the worst case uncertainty for the entire range of measurement. please note that the uncertainty values are provided for informational purposes only are not used in determining the PASS/FAIL results

9.4 Limit

Freq. Range	Quasi-Peak dB(μV)	Average dB(μV)
0.15 MHz ~ 0.5 MHz	66 ~ 56*	56 ~ 46*
0.5 MHz ~ 5 MHz	56	46
5 MHz ~ 30 MHz	60	50
*Limits decreases linearly with the logarithm of frequency.		

9.5 Test Equipment

Description	Model Name	Manufacturer	Serial Number	Due to Calibration
Receiver	ESR 3	Rohde & Schwarz	101911	Feb. 19, 2025
LISN	ESH2-Z5	Rohde & Schwarz	100452	Feb. 20, 2025
Pulse Limiter	ESH3-Z2	Rohde & Schwarz	102094	Feb. 19, 2025

9.6 Test data for Conducted Emission

- Test Date : July. 02, 2024
- Resolution Bandwidth : 9 kHz
- Frequency Range : 0.15 MHz ~ 30 MHz
- Line : L1: Live1, L2: Live2, N: Neutral
- Comment : None

Frequency [MHz]	Quasi-Peak			Average			Result	Phase
	Disturbance Level [dB μV]	Permitted Limit [dB μV]	Margin [dB]	Disturbance Level [dB μV]	Permitted Limit [dB μV]	Margin [dB]		
0.150	47.700	66.000	18.300	32.600	56.000	23.400	PASS	N
0.198	51.500	63.694	12.194	24.900	53.694	28.794	PASS	L1
0.250	17.900	61.757	43.857	17.500	51.757	34.257	PASS	L2
0.254	44.100	61.625	17.525	34.300	51.625	17.325	PASS	L1
0.478	36.900	56.374	19.474	16.500	46.374	29.874	PASS	N
1.810	38.100	56.000	17.900	16.800	46.000	29.200	PASS	N
2.478	42.300	56.000	13.700	42.100	46.000	3.900	PASS	L1
2.774	43.500	56.000	12.500	42.900	46.000	3.100	PASS	L1
2.974	31.100	56.000	24.900	31.200	46.000	14.800	PASS	L2
4.458	42.200	56.000	13.800	41.100	46.000	4.900	PASS	L1
4.458	34.900	56.000	21.100	34.600	46.000	11.400	PASS	L2
7.614	31.400	60.000	28.600	26.300	50.000	23.700	PASS	L2
10.010	38.100	60.000	21.900	33.600	50.000	16.400	PASS	N
10.506	37.900	60.000	22.100	33.800	50.000	16.200	PASS	N
14.326	36.200	60.000	23.800	31.800	50.000	18.200	PASS	L2

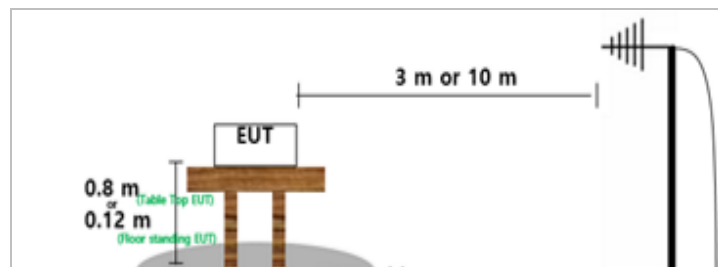
Remark: The measured disturbance level includes all related factor. (LISN Insertion loss and Cable loss).

10. Radiated emissions

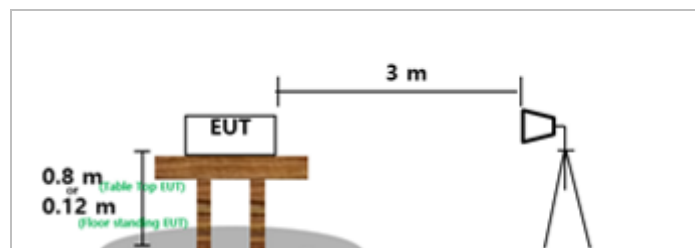
10.1 Operating Environment

Temperature	:	23.9 °C
Relative Humidity	:	42.3 % R.H.
Air Pressure	:	100.0 kPa

10.2 Test Set-up



Configurations of Radiated emission test (30 MHz to 1000 GHz)



Configurations of Radiated emission test (1 GHz to 40 GHz)

Tabletop devices shall be placed on a non-conducting platform, raised 80 cm above the reference ground plane. Floor-standing devices shall be insulated, if required, from the ground plane by up to 12 mm of insulating material.

EUT was configured and operated in all modes of operation so as to find the maximum RF energy generated from EUT.

The power was furnished with rated (normal) voltage. The turntable containing the system was rotated and the antenna height was varied 4 m to find the maximum RF energy detected from EUT.

Radiated emission was measured at a frequency range 30 MHz to 25 GHz (10th harmonic of MWO).

Measurement above 1 GHz and below 1 GHz.

Radiated emission measurement in frequency range 1 GHz to 25 GHz was made inside an anechoic chamber at 3 m to determine the emission characteristics of EUT.

The EUT is configured and operated in a manner, which produces the maximum emission in a typical configuration.

Detector function selection and bandwidth :

In radiated emissions measurement, field strength meter that has quasi-peak and average detector was used. The bandwidth of the detector of instrument is 120 kHz for frequency range of 30 MHz – 1,000 MHz, and 1 MHz for frequency range of 1 GHz to 26 GHz. Emissions be measured are detected in average mode.

Antennas :

Measurements were made using calibrated biconical antenna in range of 30 MHz to 300 MHz, log-periodic antenna in range of 300 MHz to 1,000 MHz and horn antenna in range of 1 to 24.5 GHz to determine the emission characteristics of the EUT.

Measurements were also made for both horizontal and vertical polarization.

The horizontal distance between the receiving antenna and the closest periphery of the EUT was 3 meters for horn antenna and 10 meters for biconical and log-periodic antenna.

10.3 Measurement Uncertainty

The measurement uncertainty was calculated in accordance with ISO “Guide to the expression of uncertainty in measurement.”

The measurement uncertainty was given with a confidence of 95 %.

Test Items	Uncertainty	Remark
Radiated emissions (30MHz ~ 1GHz)	4.7 dB	Confidence level of approximately 95 % (k = 2)
Radiated emissions (1GHz ~ 4.5GHz)	4.7 dB	Confidence level of approximately 95 % (k = 2)
Radiated emissions (4.5GHz ~ 18GHz)	4.7 dB	Confidence level of approximately 95 % (k = 2)

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2.

The listed uncertainties are the worst case uncertainty for the entire range of measurement. please note that the uncertainty values are provided for informational purposes only are not used in determining the PASS/FAIL results

10.4 Limit

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (µV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 25×SQRT(power/500)	300 1300

Note.

1) Field strength may not exceed 10 µV/m at 1600 meters. Consumer equipment operating below 1000 MHz is not permitted the increase in field strength otherwise permitted here for power over 500 watts.

10.5 Test Equipment

Description	Model Name	Manufacturer	Serial Number	Due to Calibration
Receiver	ESU 26	Rohde & Schwarz	100164	July. 01, 2025
Horn Ant	RGA-60	Electro-metrics	6104	July. 01, 2025
Horn Ant	3116	ETS-LINDGREN	00051887	May. 22, 2025
Biconical	VHA9103	Schwarzbeck	VHA91031875	July. 26, 2024
Log Periodic	9108-A	Schwarzbeck	0346	July. 26, 2024
Antenna Master	2070-2	EMKO	9903-2231	N/A
High pass filter	11SH10-4500/X1800-010	K & L Microwave	2	June. 28, 2025
Amplifier	310N	Sonoma Instrument	360816	Feb. 19, 2025
Amplifier	8449B	Agilent	3008A01821	June. 05, 2025

10.6 Test data for Radiated Emission

- Test Date : July. 05, 2024
- Measurement Distance : 3m, 10m
- Comment : None
- Measurement

Frequency range	30MHz ~ 1GHz @ 10 m	Above 1GHz @ 3m
Detector mode	Average	Average
Resolution Bandwidth	120kHz	1 MHz

1) Magnetron type: 2M246 by LG

Test distance: 3 m

Freq. [GHz]	Ant. Factor [dB]	HPF Factor [dB]	Amp. Factor [dB]	Cable Loss [dB]	Load [ml]	Load Location	Meter Reading [dBuV]	Field Strength @ 3 m [dBuV/m]	Field Strength @ 3 [uV/m]	Field Strength @ 300 m [uV/m]	FCC Limit @ 300 m [uV/m]	Result
2.199	27.8	N/A	N/A	4.48	700	Center	10.1	42.4	131.8	1.3	34.5	PASS
2.501	28.5	N/A	N/A	4.75	700	Center	10.9	44.2	162.2	1.6	34.5	PASS
2.704	28.6	N/A	N/A	4.97	700	Center	11.5	45.1	179.9	1.8	34.5	PASS
4.944	33.2	1.2	-38.3	6.66	700	Center	39.5	42.3	130.3	1.3	34.5	PASS
4.879	33.0	1.4	-38.3	6.56	700	Rt. Front	32.7	35.3	58.2	0.6	34.5	PASS
4.877	33.0	1.4	-38.3	6.56	300	Center	43.2	45.8	195.0	1.9	34.5	PASS
4.931	33.1	1.3	-38.3	6.64	300	Rt. Front	36.0	38.7	86.1	0.9	34.5	PASS
7.459	36.7	1.0	-38.7	8.21	700	Center	30.0	37.3	73.3	0.7	34.5	PASS
7.379	36.7	0.9	-38.7	8.16	700	Rt. Front	33.0	40.1	101.2	1.0	34.5	PASS
7.326	36.7	0.8	-38.7	8.14	300	Center	31.3	38.2	81.3	0.8	34.5	PASS
7.326	36.7	0.8	-38.7	8.14	300	Rt. Front	31.3	38.2	81.3	0.8	34.5	PASS
9.767	37.9	1.3	-39.3	9.04	700	Center	28.9	37.8	77.6	0.8	34.5	PASS
17.292	45.3	1.1	-37.9	12.17	700	Center	25.7	46.3	206.5	2.1	34.5	PASS

Other frequencies: No detected.

For measurement of other frequencies, refer to APPENDIX A (Spectral Diagrams).

Result: Pass

* Limit (at 300 m) = $25 * (RF\ Power/500)^{1/2}$ [μV/m]

* Field Strength below 1,000 MHz (at 300 m) [μV/m] = $10^{[(Field\ strength\ at\ 10m(dBuV/m)-29.5)/20]}$

* Field Strength above 1,000 MHz (at 300 m) [μV/m] = $K * 10^{[Field\ strength\ at\ 3m(dBuV/m)/20]}$

NOTES:

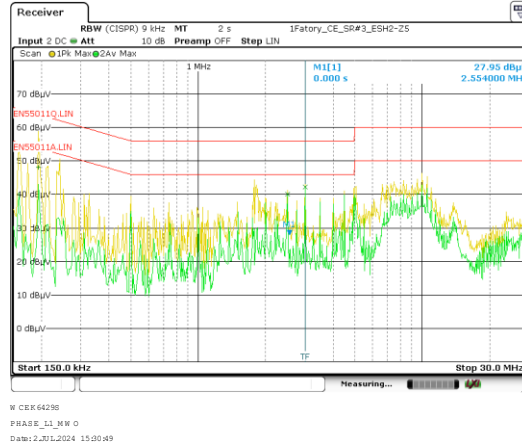
1. Two representative modes (full power and defrost) of operation were investigated.
2. A beaker was used as the container and the test was made with a shelf in its initial normal position.
3. Load for measurement of radiation on second and third harmonic: Two loads, one of 700 ml and the other of 300 ml, of water were used. Each load was tested both with the beaker located in the center of the oven and with it in the corner.
4. Load for all other measurements: 700 ml of water, with the beaker located in the center of the oven
5. All other emissions are non-significant.
6. The tests were made with average detector for frequency range of 30 MHz to 26 GHz.

APPENDIX A. Spectral Diagrams

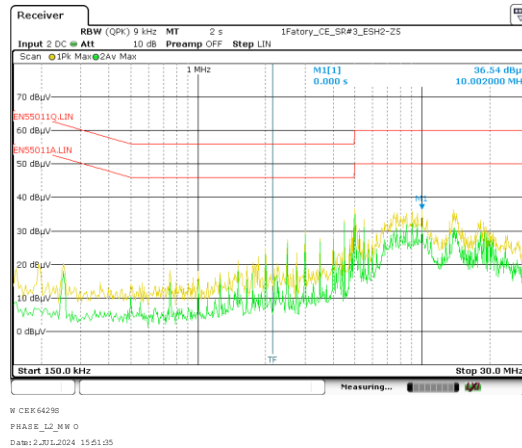
◆ 150 kHz ~ 30 MHz (Magnetron type: 2M246 by LG)

- Operating Mode: Maximum RF Power Output
- Detect Mode: Quasi-Peak(+)/Average(x), Scan Mode: Peak

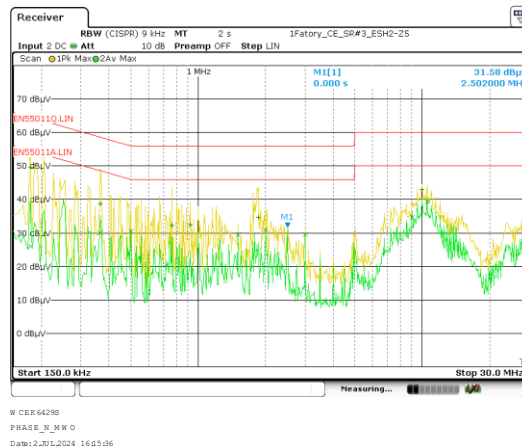
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<Phase: L2>



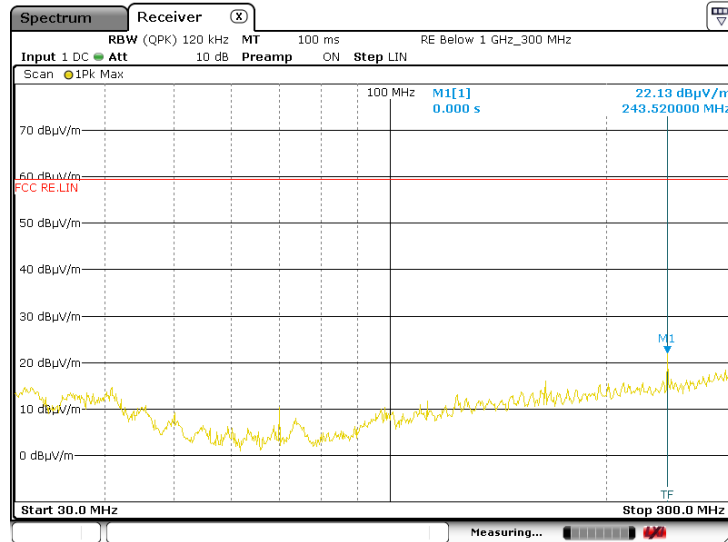
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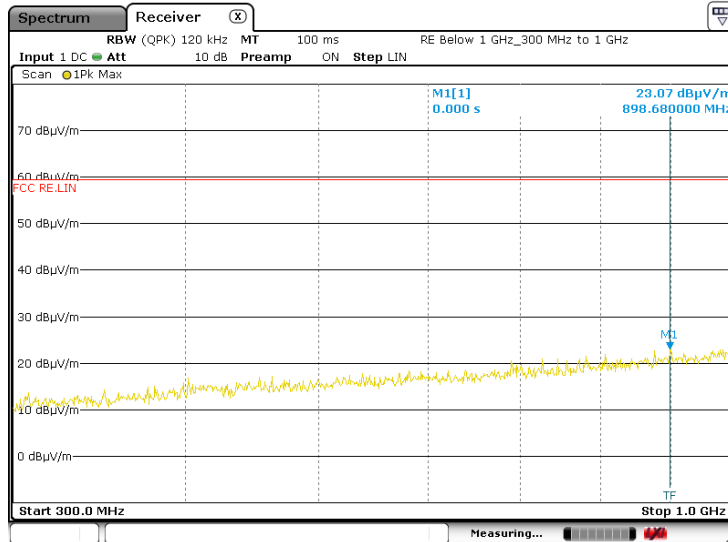
◆ **30 MHz ~ 1000 MHz (Magnetron type: 2M246 by LG)**

- Operating Mode: Maximum RF Power Output
- Detect Mode: Average, Scan Mode: Peak
- Measurement Distance: 10 meters

<Antenna Polarization: Horizontal>

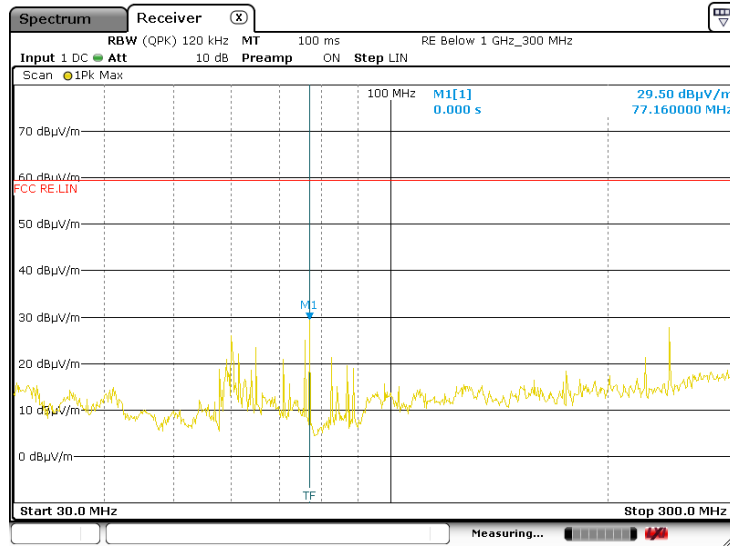


WCEK6429S
RE_HOR_MWO
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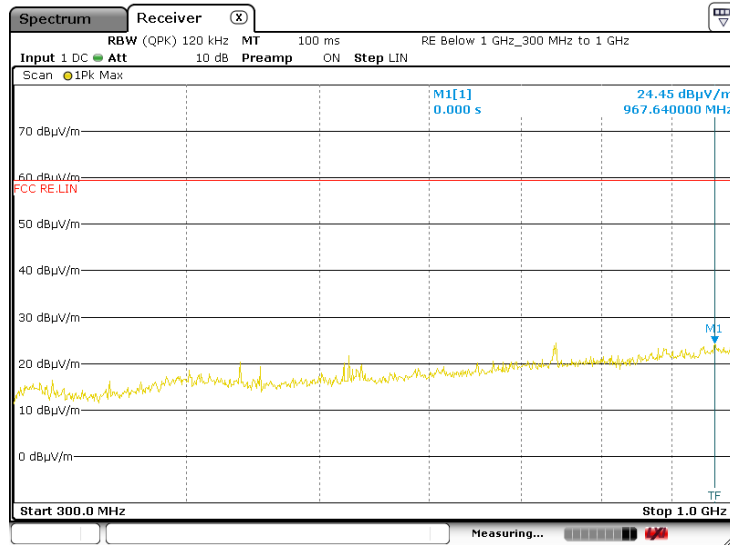


WCEK6429S
RE_HOR_MWO
Date: 5.JUL.2024 22:01:47

<Antenna Polarization: Vertical>



WCER6429S
RE_VER_MWO
Date: 5.JUL.2024 20:32:25

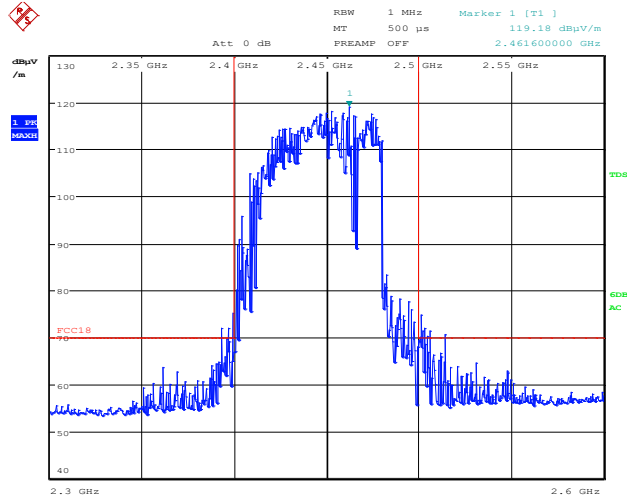


WCER6429S
RE_VER_MWO
Date: 5.JUL.2024 21:32:13

◆ Voltage Variation (Magnetron type: 2M246 by LG)

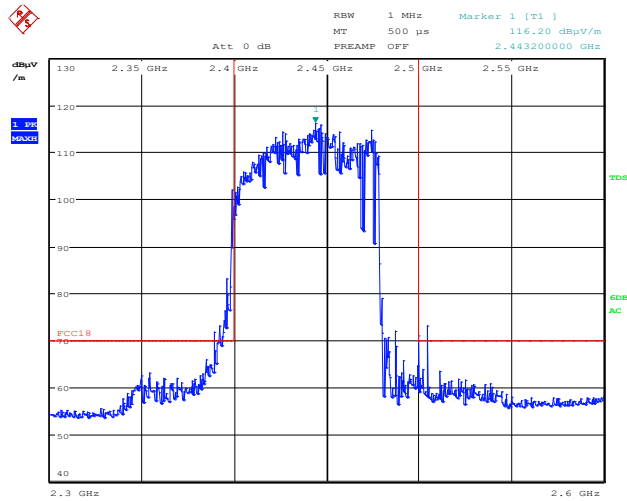
- Detect Mode: Average, Scan Mode: Peak

<Maximum Frequency Observed: 2,461 MHz>



WCEK6429S_RE_FUND
Date: 9.JUL.2024 17:08:03

<Minimum Frequency Observed: 2,443 MHz>

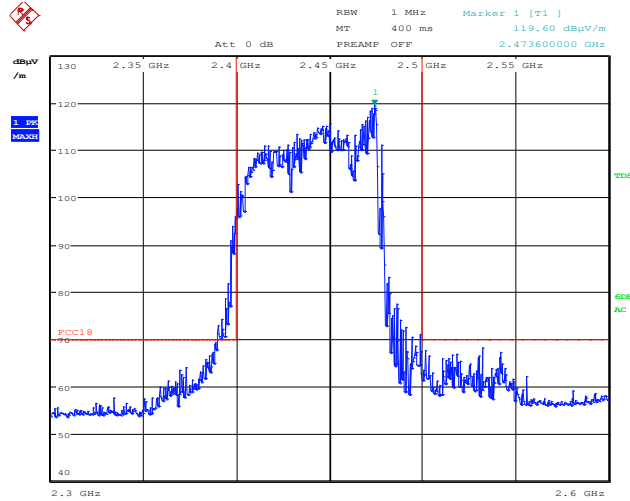


WCEK6429S_FUND_VER
Date: 9.JUL.2024 16:06:08

◆ **Load Variation (Magnetron type: 2M246 by LG)**

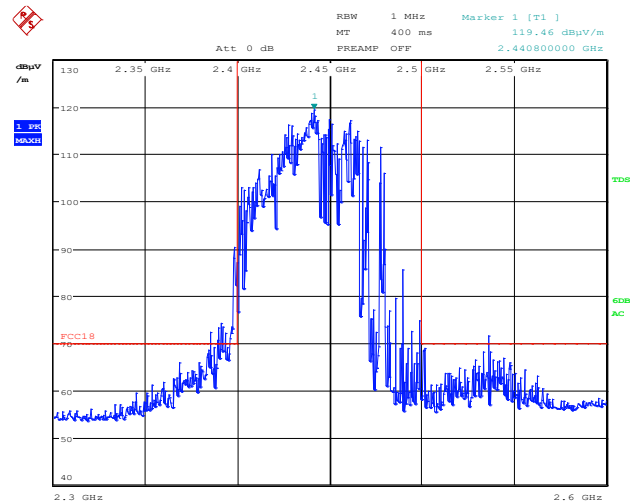
- Detect Mode: Average, Scan Mode: Peak

<Maximum Frequency Observed: 2,473 MHz >



WCEK6429S_FUND_VER
Date: 9.JUL.2024 14:59:23

< Minimum Frequency Observed: 2,440 MHz >

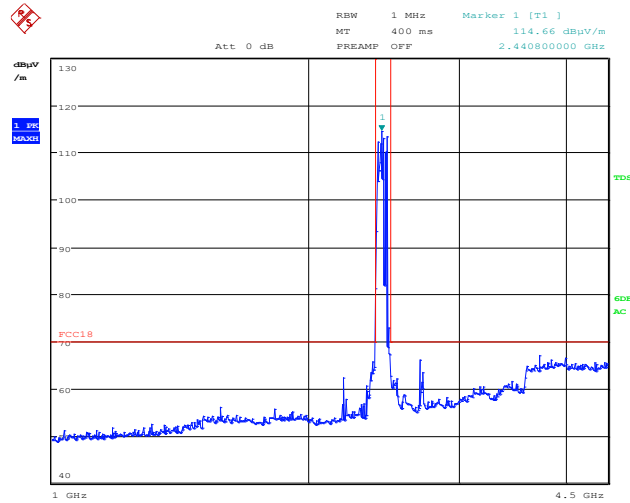


WCEK6429S_RE_FUND
Date: 9.JUL.2024 18:12:07

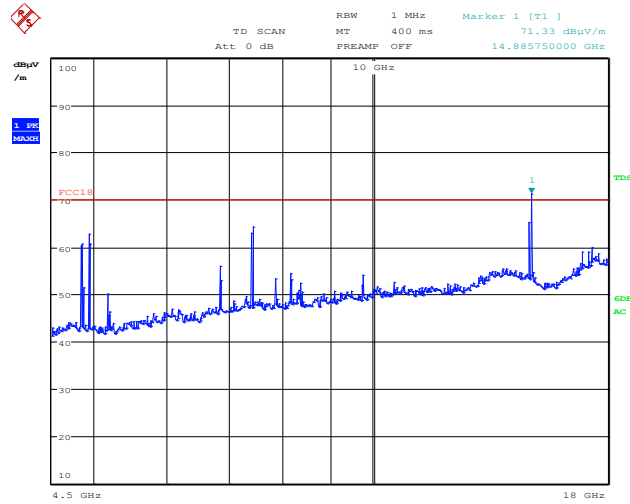
◆ 1 GHz ~ 18 GHz (Magnetron type: 2M246 by LG)

- Operating Mode: Maximum RF Power Output
- Detect Mode: Average, Scan Mode: Peak
- Measurement Distance: 3 meters

<Antenna Polarization: Horizontal>

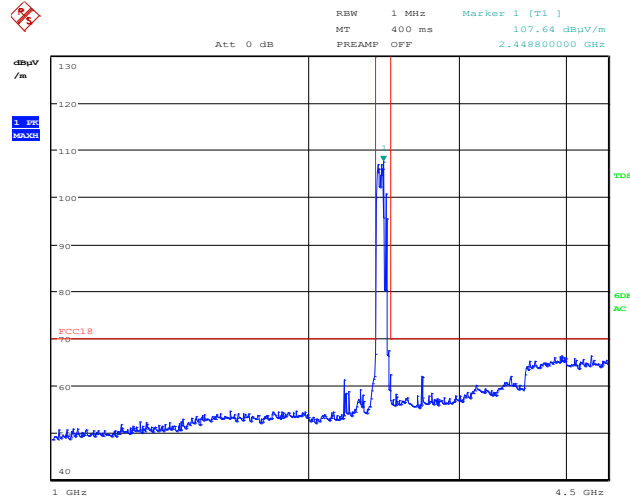


WCER6429S
Date: 5.JUL.2024 08:35:59

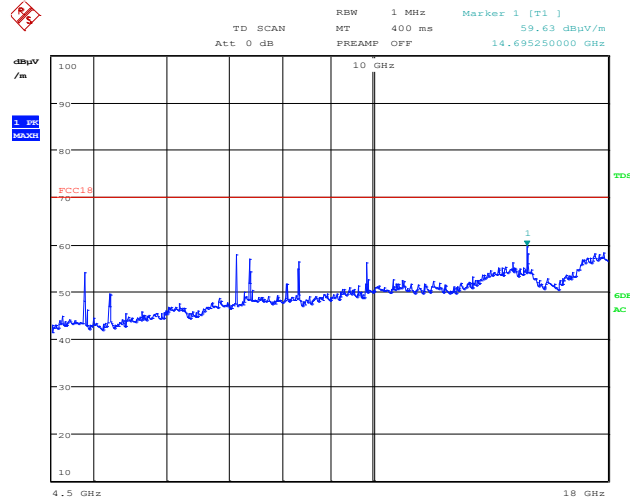


WCER6429S_RE_700C
Date: 5.JUL.2024 13:37:15

<Antenna Polarization: Vertical>



Date: 5.JUL.2024 08:11:35



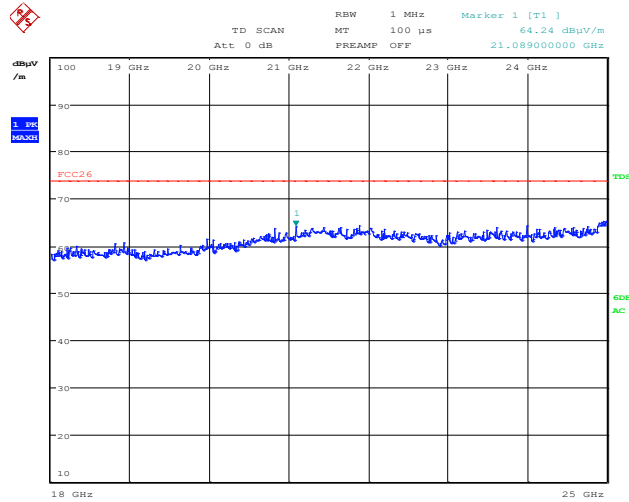
WCER64298_RE_700C

Date: 5.JUL.2024 09:56:12

◆ **18 GHz ~ 25 GHz (Magnetron type: 2M246 by LG)**

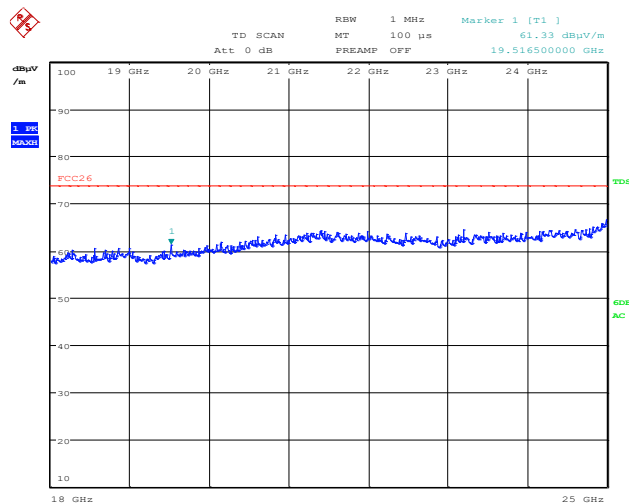
- Operating Mode: Maximum RF Power Output
- Detect Mode: Average, Scan Mode: Peak
- Measurement Distance: 3 meters

<Antenna Polarization: Horizontal>



WCRK6429S_RE_HOR
Date: 5.JUL.2024 17:55:39

<Antenna Polarization: Vertical>



WCRK6429S_RE_VER
Date: 5.JUL.2024 18:22:30

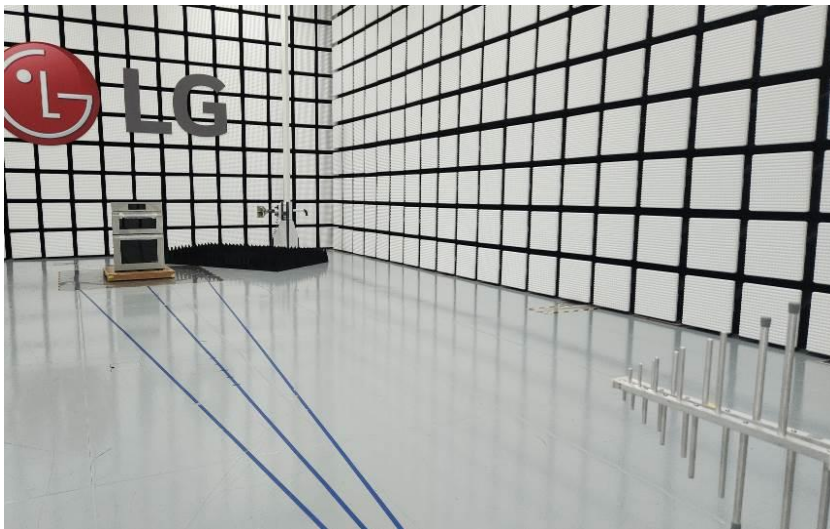
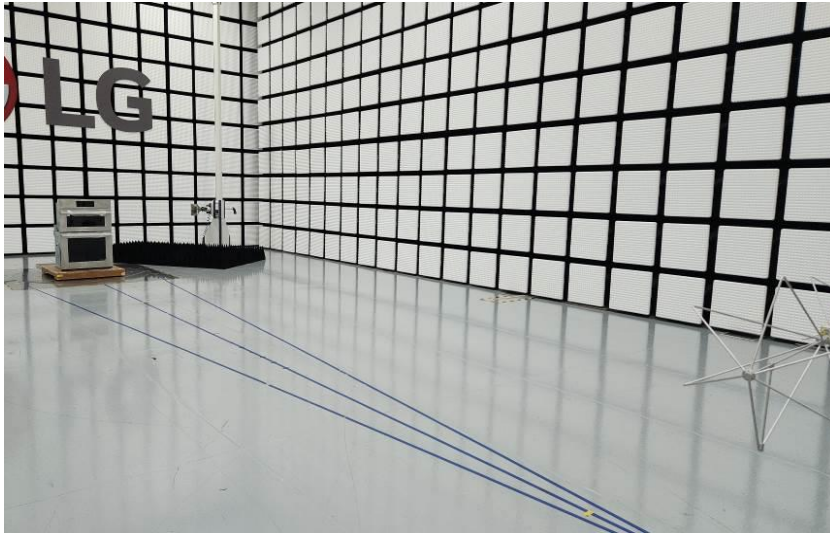
APPENDIX B. Test Photos

Test photos show the worst case configuration and cable placement with a minimum margin to the specifications.

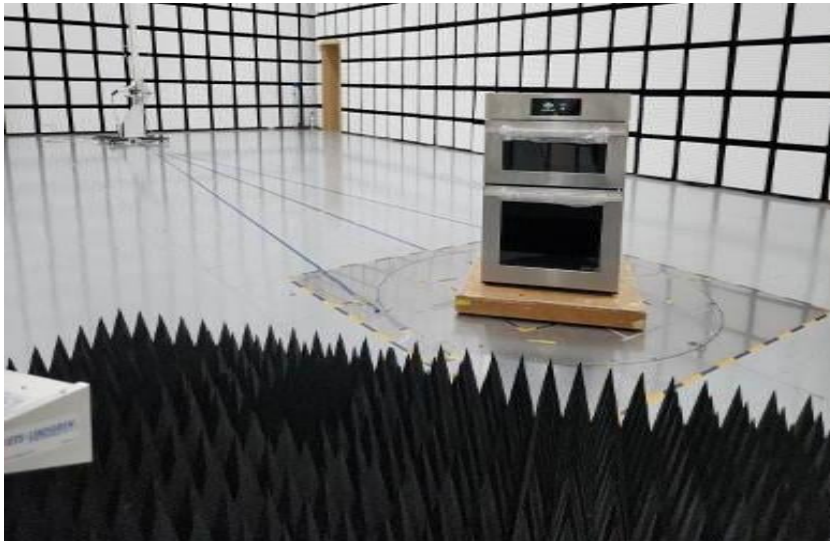
- Conducted Emission



- Radiated Emission (30 MHz - 1 GHz)



- Radiated Emission (1 GHz - 25 GHz)



APPENDIX C. Photographs of EUT



<Front View>



<Rear View>



<Left Side View>



<Right Side View>



<Inside of Cavity>