

EVALUATION REPORT

for Certification of Conformity

FCC Part 18(Class II Permissive change)

Applicant: LG Electronics USA, Inc.
111 Sylvan Avenue North Building
Englewood Cliffs New Jersey United States 07632,
Attn: Heejae Cho / Team leader

Date of Issue: Aug. 14, 2026
Order Number: GETEC-C1-26-574
Test Report Number: GETEC-E3-26-051
Test Site: GUMI UNIVERSITY EMC CENTER
CAB Designation Number: KR0033

FCC ID. : BEJT55143E

Applicant: LG Electronics USA, Inc.

Rule Part(s)	: FCC Part 18
Test Method	: FCC/OET MP-5
Equipment Class	: Part 18 Consumer Device(8CC)
EUT Type	: HOUSEHOLD DUAL FUEL RANGE
Type of Authority	: Certification
Model Name	: SKSDR360SIS
Trade Mark	: LG

This equipment has been shown to be in compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in FCC/OET MP-5 (1986)

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

Tested by,



Sang Hyug Park, Chief Engineer
GUMI UNIVERSITY EMC CENTER

Reviewed by,



Hyoung Seop Kim, Technical manager
GUMI UNIVERSITY EMC CENTER



Revision list

Test Report No.	Issue Date	Description
GETEC-E3-26-051	Aug. 14, 2026	First Approval Test Report

※ This test report is not related to the accredited test result by ISO/IEC 17025 and KOLAS





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Scope: Measurement and determination of electromagnetic emissions (EME) of radio frequency devices including intentional and / or unintentional radiators for compliance with technical rules and regulations of the Federal Communications Commission.

1. General Information

Applicant: Electronics USA, Inc.
Applicant Address: 111 Sylvan Avenue North Building
Englewood Cliffs New Jersey United States 07632
Manufacturer: LG Electronics Inc.
Manufacturer Address: 170, Sungsanpaechong-ro, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, 51533, Korea
Contact Person: Heejae Cho / Team leader
Telephone Number: 201-266-2215

- **FCC ID.** BEJT55143E
- **EUT Type** HOUSEHOLD DUAL FUEL RANGE
- **Model Name** SKSDR360SIS
- **Rule Part(s)** FCC Part 18
- **Test Method** FCC/OET MP-5
- **Type of Authority** Certification
- **Test Procedure(s)** FCC/OET MP-5
- **Dates of Test** Jul. 28, 2026 ~ Aug. 10, 2026
- **Place of Test** **GUMI UNIVERSITY EMC CENTER**
(FCC Test Firm Registration Number: 269701)
37 Yaeun-ro, Gumi-si, Gyeongsangbuk-do, 39213, Republic of Korea.
- **Test Report Number** GETEC-E3-26-051
- **Dates of Issue** Aug. 14, 2026



2. Introduction

The measurement procedure described in American National Standard for Methods of Measurement of Radio-Nose Emissions From Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz (ANSI C63.4a-2017) was used in determining radiated and conducted emissions emanating from **HOUSEHOLD DUAL FUEL RANGE (Model name: SKSDR360SIS)**.

These measurement tests were conducted at **GUMI UNIVERSITY EMC CENTER**

The site address is 37 Yaeun-ro, Gumi-si, Gyeongsangbuk-do, 39213, Republic of Korea.

This test site is one of the highest point of Gumi UNIVERSITY at about 200 km away from Seoul city and 40 km away from Daegu city. It is located in the valley surrounded by mountains in all directions where ambient radio signal conditions are quiet and a favorable area to measure the radio frequency interference on open field test site for the computing and ISM devices manufactures. The detailed description of the measurement facility was found to be in compliance with the requirements of §2.948 according to ANSI C63.4a(2017)

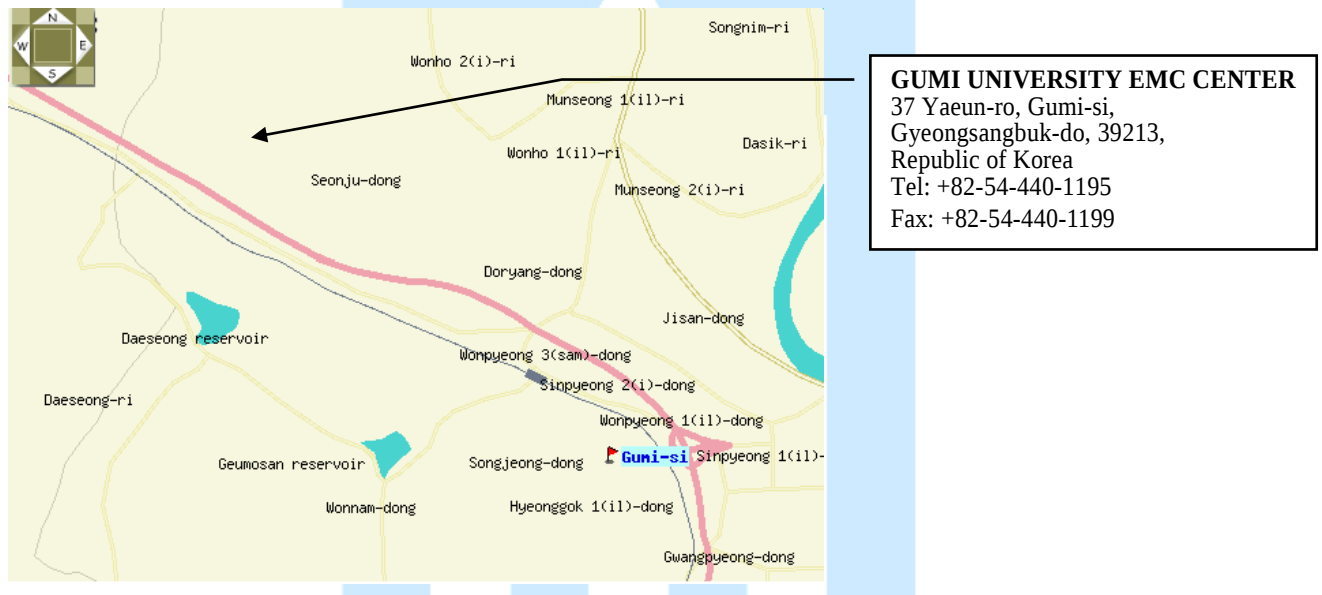


Fig 1. The map above shows the GUMI UNIVERSITY in vicinity area.



3. Product Information

3.1 Description of EUT

The Equipment under Test (EUT) is the **HOUSEHOLD DUAL FUEL RANGE (Model Name: SKSDR360SIS)**
FCC ID.: BEJT55143E

Oven Range Models	SKSDR360GS, SKSDR360SS, SKSDR360SIS
Description	36" Duel Fuel Pro Range
Electrical requirements	SKSDR360GS : 6.4 kW 120/240 VAC, 4.8 kW 120/208 VAC SKSDR360SS : 6.5 kW 120/240 VAC, 5.2 kW 120/208 VAC SKSDR360SIS : 9.8 kW 120/240 VAC, 7.7 kW 120/208 VAC
Exterior Dimensions	35 ⁷ / ₈ " (W) x 35 ¹ / ₄ " (H) x 26 ³ / ₄ " (D) (D with door closed) 91.1 cm (W) x 89.6 cm (H) x 67.9 cm (D) (D with door closed)
Height to cooking surface	36" (91.4 cm)
Net weight	SKSDR360GS : 396 lb (180 kg) SKSDR360SS : 379 lb (172 kg) SKSDR360SIS : 392 lb (178 kg)
Total capacity	6.3 cu.ft.

RF Module Specifications

Type	Operating Frequency Range	Output Power (Max.)
Wireless LAN	2 400 MHz - 2 472 MHz	< 1 W
Bluetooth [†]	2 400 MHz - 2 483.5 MHz	

Induction heating mode

Cooking Element	Low frequency	High frequency
#1 Front Hob	30 kHz	75 kHz
#2 Rear Hob	30 kHz	75 kHz



3.2 Support Equipment / Cables used

3.3.1 Used Support Equipment

Description	Manufacturer	Model Name	S/N & FCC ID.
None	-	-	S/N: - FCC ID.: -

See "Appendix D – Test Setup Photographs" for actual system test set-up

3.3.2 System configuration

Description	Manufacturer	Model Name	S/N & FCC ID.
RF Module ¹⁾	LG Electronics Inc.	LCW-009	S/N: -, FCC ID.: BEJ-LCW009

1) Built-in RF module

3.3.3 Used Cable(s)

Cable Name	Condition	Description
Power cable	Connected to the EUT and AC power	1.20 m Unshielded.

3.3 Modification Item(s)

-. None

3.4 Identification of EUT(s)

-. None



4. Description of tests

4.1 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.

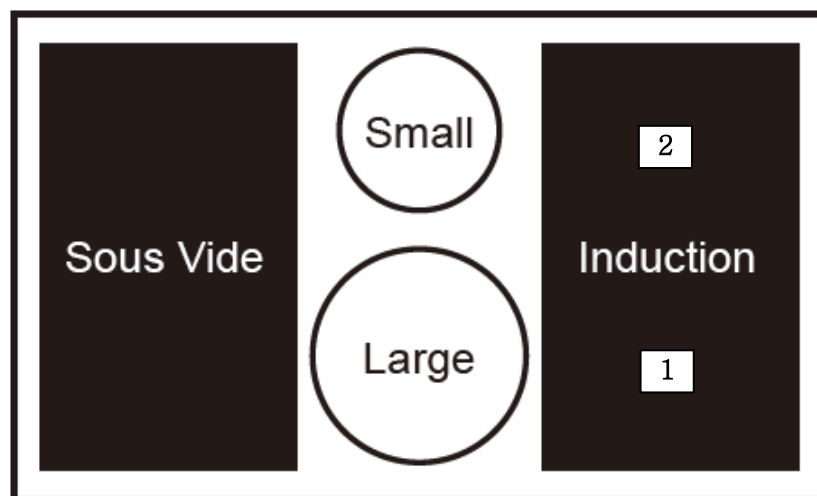
The representative and worst test mode(s) were noted in the test report.

- Test Voltage / Frequency:
 - . AC 208 V / 60 Hz
 - . AC 240 V / 60 Hz
- Operating condition during the test(s) :
 - This device has been tested in the configurations of Induction mode with WLAN module operating.
 - Induction heating mode:** This device has been operated (boost mode) with an enameled steel vessel filled with tap water up to 80 % of its maximum capacity.

Cooking element "1"= Front hob , "2"= Rear hob

Cooking vessels

"1" , "2"= 215 mm x 180 mm



Position of cooking element



4.2 General Test Procedures

Conducted Emissions

The EUT is placed on the turntable, which is 0.8 m above ground plane. According to the requirements in Section 13.1.4.1 of ANSI C63.4a (2017) Conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30MHz using CISPR Quasi-peak and average detector modes.

Radiated Emissions

The EUT is placed on a turn table, which is 0.8 m above ground plane. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which Fixed at 2 m above the ground plane to find out the highest emission.

And also, each emission was to be maximized by the table was turned from 0 degrees to 360 degrees. In order to find out the max emission, the relative positions of this hand-held transmitter (EUT) was rotated through three orthogonal axes according to the requirements in Section 13.1.4.1 of ANSI C63.4a (2017).

5. Summary of Test Results

FCC Part Section(s)	Test Description	Test Result
§18.305	Radiated Emission	Pass
§18.307	Conducted Emission	Pass



6. Conducted Emission

-Test Description

The Line conducted emission test facility is inside a 4 m × 8 m × 2.5 m shielded enclosure.

(FCC Test Firm Registration No.: 269701)

The EUT was placed on a non-conducting 1.0 m by 1.5 m table, which is 0.8 m in height and 0.4 m away from the vertical wall of the shielded enclosure.

The EUT is powered from the Rohde & Schwarz LISN and the support equipment is powered from the Rohde & Schwarz LISN Powers to the LISN are filtered by high-current high insertion loss power line filter.

Sufficient time for EUT, support equipment, and test equipment was allowed in order for them to warm up to their normal operating condition.

The RF output of the LISN was connected to the EMI test receiver

Exploratory measurements were conducted to identify the highest emission by operating the EUT in a range of typical modes of operation, cable positions, system configuration and arrangement.

Based on exploratory measurements, the final measurements were conducted at the worst test conditions.

Exploratory measurements were scanned using Peak mode of EMI Test receiver from 150 kHz to 30 MHz with 20 ms sweep time. The final measurements were measured with Quasi-Peak and Average mode.

The bandwidth of EMI Test Receiver was set to 9 kHz. Interface cables were connected to the available interface ports of the test unit. Excess cable lengths were bundled at center with 30 cm ~ 40 cm.

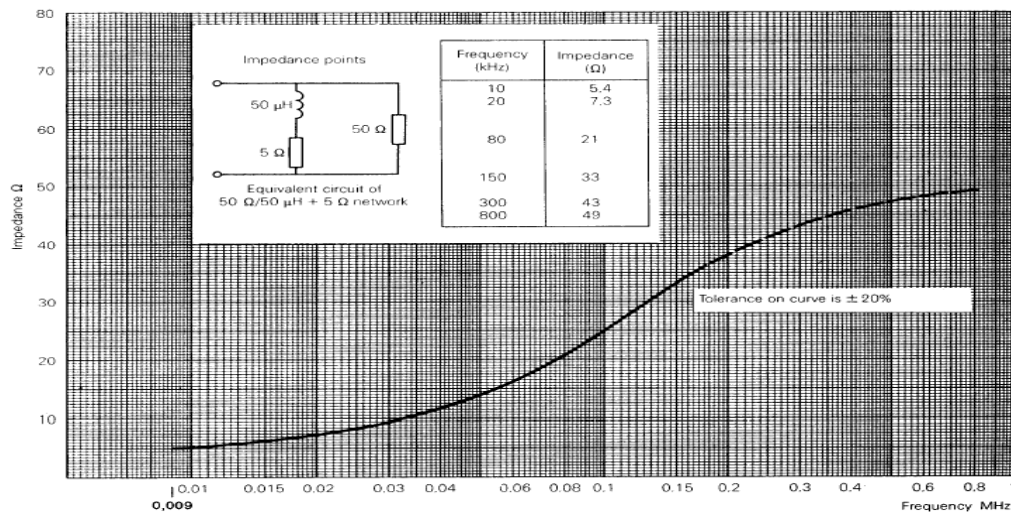


Fig 2. Impedance of LISN



6.1 Operating Environment

Temperature : 23.6 °C
Relative Humidity : 60.2 %
Air Pressure : 100.5 kPa

6.2 Test Set-up

The conducted emission measurements were performed in the shielded room.

The EUT was placed on wooden table, 0.8 m heights above the floor, 0.4 m from the reference ground plane (GRP) wall and 0.8 m from AMN & ISN.

AMN is bonded on horizontal reference ground plane.

The ground plane, which was electrically bonded to the shield room, ground system and all power lines entering the shield room, were filtered.

6.3 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 (9 kHz ~ 150 kHz)	3.70 dB	Confidence level of approximately 95 % ($k = 2$)
Conducted emission (150 kHz ~ 30 MHz)	3.29 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



6.4 Limit

RFI Conducted	FCC Limit(dBμV)	
Freq. Range	Quasi-Peak	Average
0.009 MHz ~ 0.05 MHz	110	-
0.05 MHz ~ 0.15 MHz	90 ~ 80*	-
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.		

6.5 Test Equipment used

Model Name	Manufacturer	Description	Serial Number	Calibration Date
■ - ESCI	Rohde & Schwarz	EMI Test Receiver	100237	Apr. 01, 2026
□ - ENV216	Rohde & Schwarz	LISN	100173	Apr. 01, 2026
■ - ENV432	Rohde & Schwarz	LISN	102058	Apr. 02, 2026
■ - VTSD 9561-F	SCHWARZBECK	PULSE LIMITER	631	Apr. 02, 2026
■ - EMC 32	Rohde & Schwarz	Software	Ver.8.53	N/A
■ - Shield Room	SYC Co., Ltd.	N/A	N/A	N/A

6.6 Test data for Conducted Emission

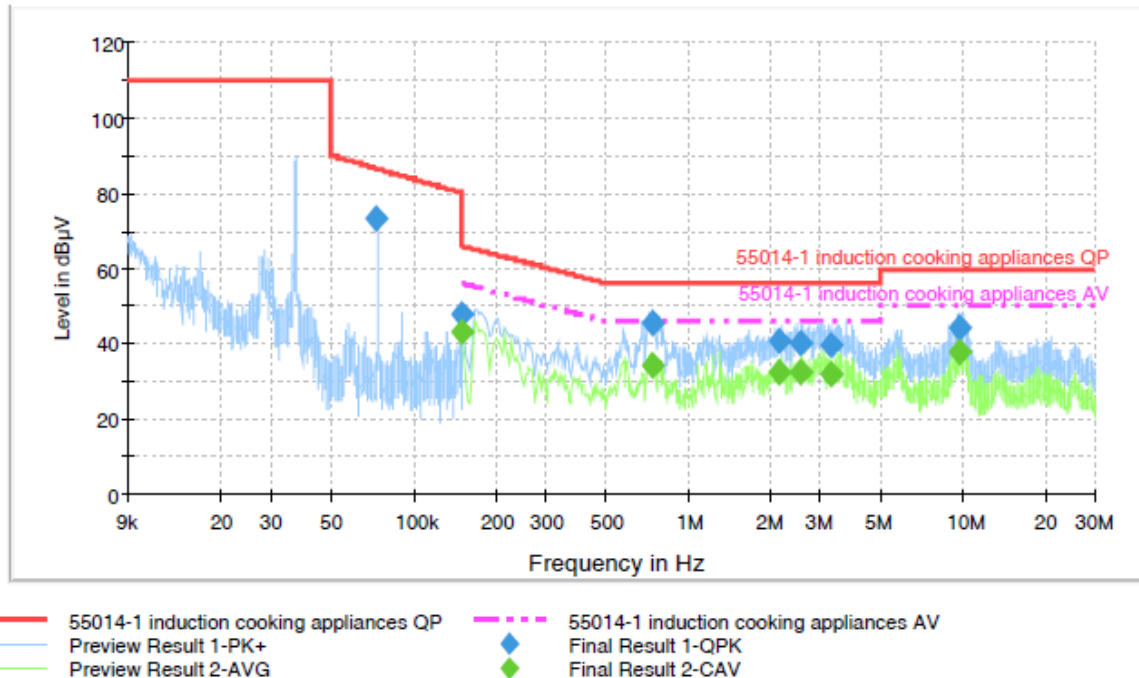
- Test Date	: Aug. 10, 2026
- Resolution Bandwidth	: 200 Hz (9 kHz ~ 0.15 MHz) / 9 kHz (0.15 MHz ~ 30 MHz)
- Frequency Range	: 9 kHz ~ 30 MHz
- Line	: L1(Live1), L2(Live2), N(Neutral), GND(Ground)
- Comment	: None



• Operating condition: Induction heating mode with WLAN

AC 208 V / 60 Hz

Cooking element #1



Final Result 1

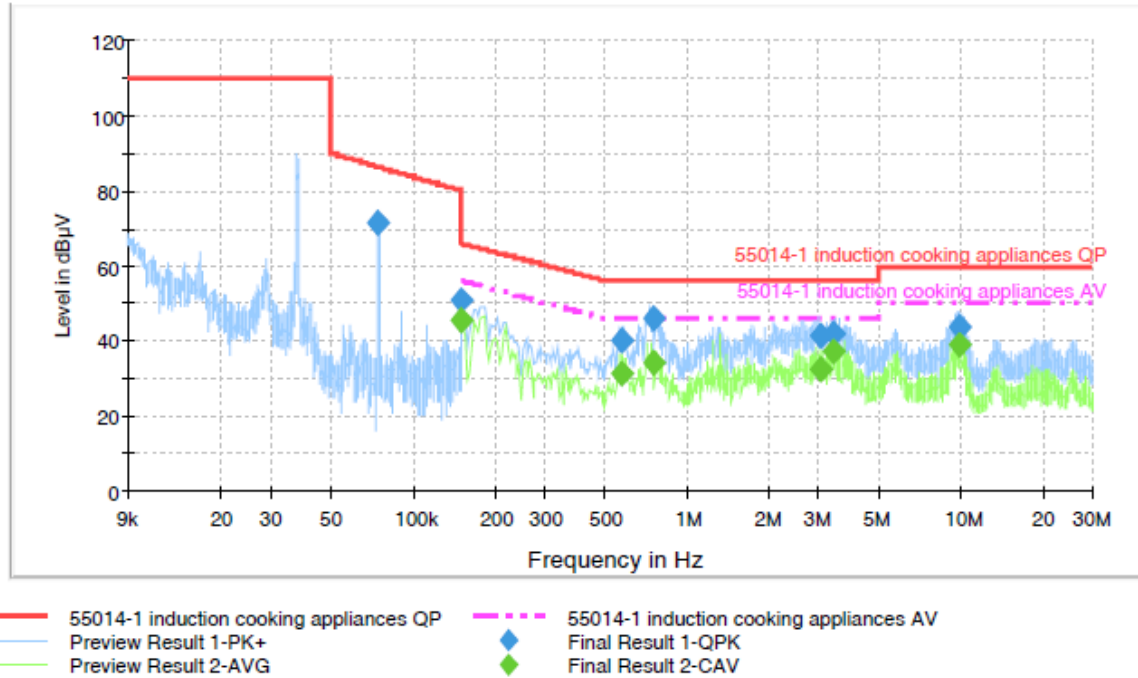
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.072930	73.0	1000.0	0.200	GND	L2	20.3	13.6	86.6	
0.150000	48.0	1000.0	9.000	GND	N	20.2	18.0	66.0	
0.743075	45.8	1000.0	9.000	GND	L2	20.2	10.2	56.0	
2.143338	40.6	1000.0	9.000	GND	N	20.2	15.4	56.0	
2.561000	40.5	1000.0	9.000	GND	L1	20.3	15.5	56.0	
3.312056	39.4	1000.0	9.000	GND	L1	20.3	16.6	56.0	
9.665300	44.4	1000.0	9.000	GND	N	20.5	15.6	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	43.3	1000.0	9.000	GND	N	20.2	12.7	56.0	
0.743075	34.3	1000.0	9.000	GND	L2	20.2	11.7	46.0	
2.143338	32.2	1000.0	9.000	GND	N	20.2	13.8	46.0	
2.561000	32.8	1000.0	9.000	GND	L1	20.3	13.2	46.0	
3.312056	32.2	1000.0	9.000	GND	L1	20.3	13.8	46.0	
9.665300	38.0	1000.0	9.000	GND	N	20.5	12.0	50.0	



Cooking element #2



Final Result 1

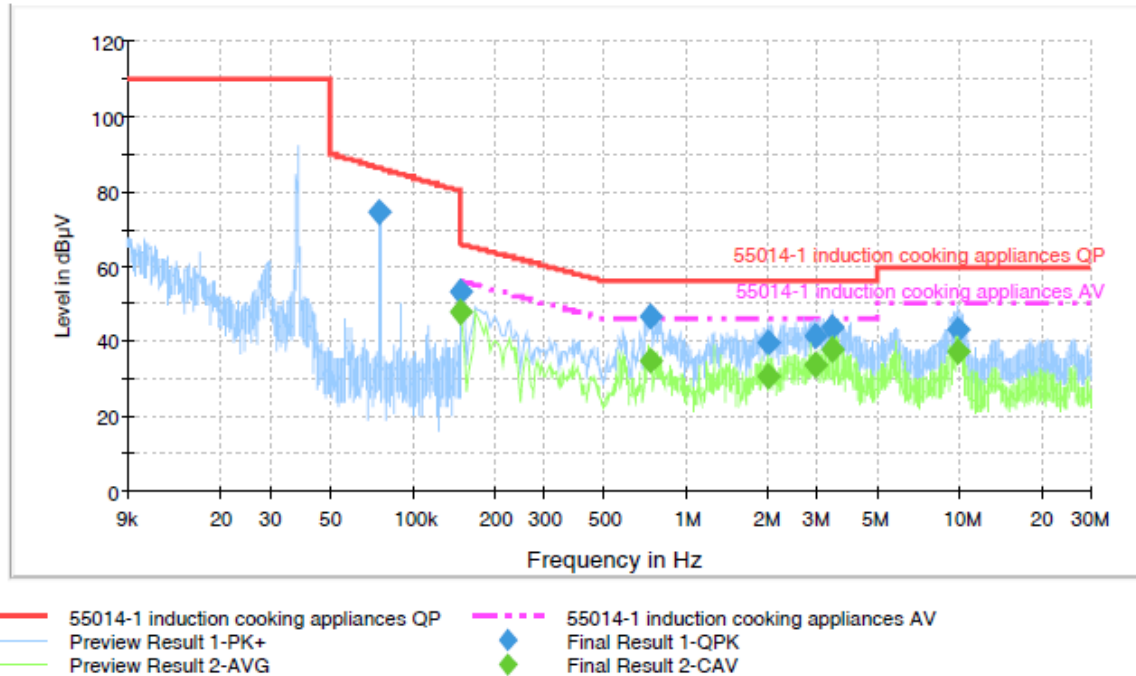
Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.073954	71.8	1000.0	0.200	GND	L2	20.3	14.6	86.4	
0.150000	51.0	1000.0	9.000	GND	L2	20.2	15.0	66.0	
0.578363	40.3	1000.0	9.000	GND	N	20.2	15.7	56.0	
0.746000	46.3	1000.0	9.000	GND	N	20.2	9.7	56.0	
3.035675	41.3	1000.0	9.000	GND	N	20.3	14.7	56.0	
3.406650	41.9	1000.0	9.000	GND	N	20.3	14.1	56.0	
9.825744	44.0	1000.0	9.000	GND	N	20.4	16.0	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	45.8	1000.0	9.000	GND	L2	20.2	10.2	56.0	
0.578363	31.5	1000.0	9.000	GND	N	20.2	14.5	46.0	
0.746000	34.2	1000.0	9.000	GND	N	20.2	11.8	46.0	
3.035675	32.4	1000.0	9.000	GND	N	20.3	13.6	46.0	
3.406650	37.1	1000.0	9.000	GND	N	20.3	8.9	46.0	
9.825744	38.8	1000.0	9.000	GND	N	20.4	11.2	50.0	



AC 240 V / 60 Hz
Cooking element #1



Final Result 1

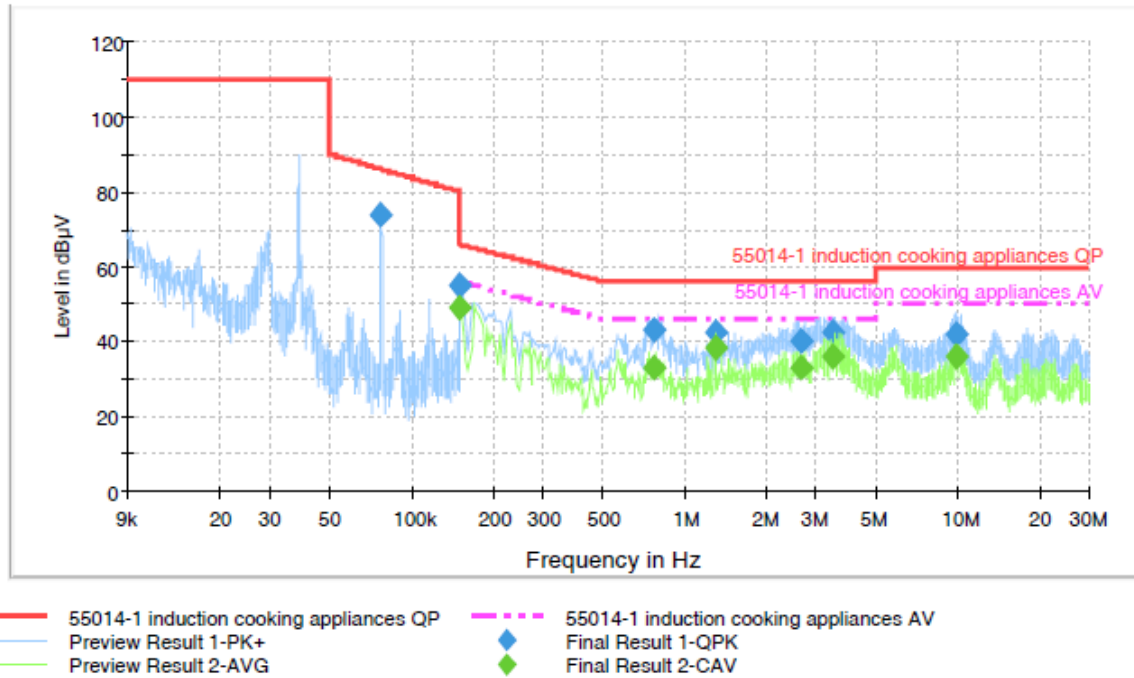
Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.074570	74.3	1000.0	0.200	GND	L2	20.3	12.1	86.4	
0.150000	53.0	1000.0	9.000	GND	L2	20.2	13.0	66.0	
0.734538	46.4	1000.0	9.000	GND	N	20.2	9.6	56.0	
1.993581	39.7	1000.0	9.000	GND	N	20.3	16.3	56.0	
2.947706	41.6	1000.0	9.000	GND	N	20.3	14.4	56.0	
3.380531	43.7	1000.0	9.000	GND	N	20.3	12.3	56.0	
9.914906	43.2	1000.0	9.000	GND	N	20.4	16.8	60.0	

Final Result 2

Frequency (MHz)	CAverage (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.150000	48.0	1000.0	9.000	GND	L2	20.2	8.0	56.0	
0.734538	34.6	1000.0	9.000	GND	N	20.2	11.4	46.0	
1.993581	31.0	1000.0	9.000	GND	N	20.3	15.0	46.0	
2.947706	33.7	1000.0	9.000	GND	N	20.3	12.3	46.0	
3.380531	37.7	1000.0	9.000	GND	N	20.3	8.3	46.0	
9.914906	37.0	1000.0	9.000	GND	N	20.4	13.0	50.0	



Cooking element #2



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.076068	73.6	1000.0	0.200	GND	L1	20.3	12.6	86.2	
0.150000	55.0	1000.0	9.000	GND	L2	20.2	11.0	66.0	
0.765731	43.2	1000.0	9.000	GND	L2	20.2	12.8	56.0	
1.287031	42.4	1000.0	9.000	GND	L1	20.2	13.6	56.0	
2.624700	40.5	1000.0	9.000	GND	N	20.2	15.5	56.0	
3.483694	42.5	1000.0	9.000	GND	N	20.3	13.5	56.0	
9.851475	42.1	1000.0	9.000	GND	N	20.4	17.9	60.0	

Final Result 2

Frequency (MHz)	CAverage (dBµV)	Meas. Time (ms)	Bandwidth (kHz)	PE	Line	Corr. (dB)	Margin (dB)	Limit (dBµV)	Comment
0.150000	49.0	1000.0	9.000	GND	L2	20.2	7.0	56.0	
0.765731	33.0	1000.0	9.000	GND	L2	20.2	13.0	46.0	
1.287031	38.2	1000.0	9.000	GND	L1	20.2	7.8	46.0	
2.624700	33.3	1000.0	9.000	GND	N	20.2	12.7	46.0	
3.483694	36.3	1000.0	9.000	GND	N	20.3	9.7	46.0	
9.851475	36.2	1000.0	9.000	GND	N	20.4	13.8	50.0	



7. Radiated Emission

7.1 Operating Environment

Temperature : 23.1 °C
Relative Humidity : 63.5 %
Air Pressure : 100.4 kPa

7.2 Test Set-up

The Radiated emission measurements were conducted at the worst test conditions.

The measurements of below 1 GHz were made at 3 m Semi Anechoic Chamber or 10 m Semi Anechoic Chamber (FCC Test Firm Registration No.: 269701) that complies with CISPR 16 / ANSI C63.4.

The frequency range of 9 kHz to 30 MHz, The EUT was placed on a non-conductive turntable approximately 0.8 m above the ground plane. The turntable with EUT was rotated 360° and the receive antenna was fixed 2.0 m on the ground plane.

The frequency range of 30 MHz to 1 000 MHz, The EUT was placed on a non-conductive turntable approximately 0.8 m above the ground plane. The turntable with EUT was rotated 360° and adjusting the receive antenna height from 1.0 m to 4.0 m. All frequencies were investigated in both horizontal and vertical antenna polarity.

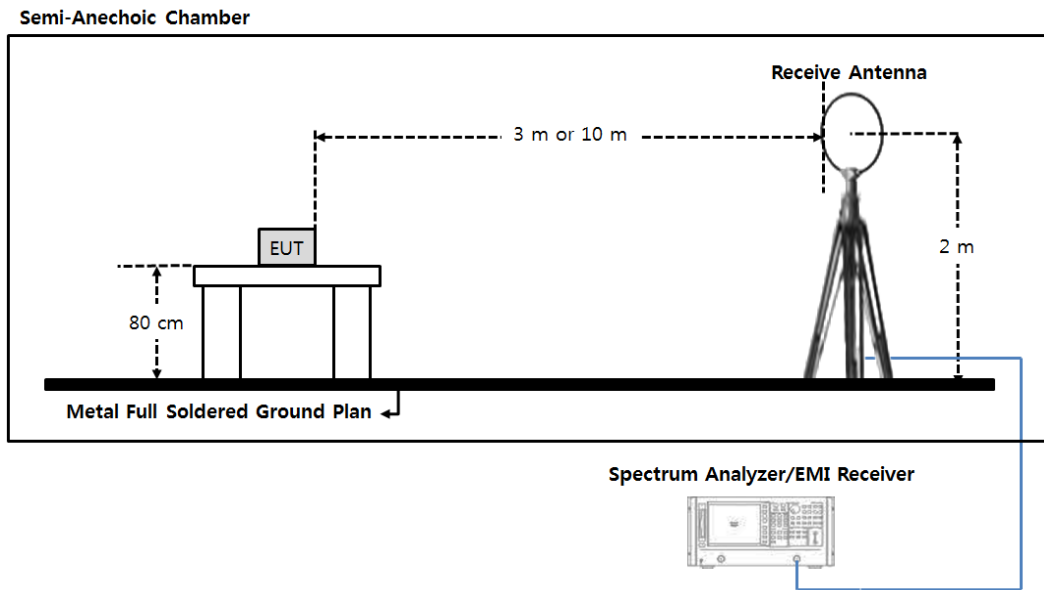


Fig 3. Configurations of Radiated emission test (9 kHz to 30 MHz)

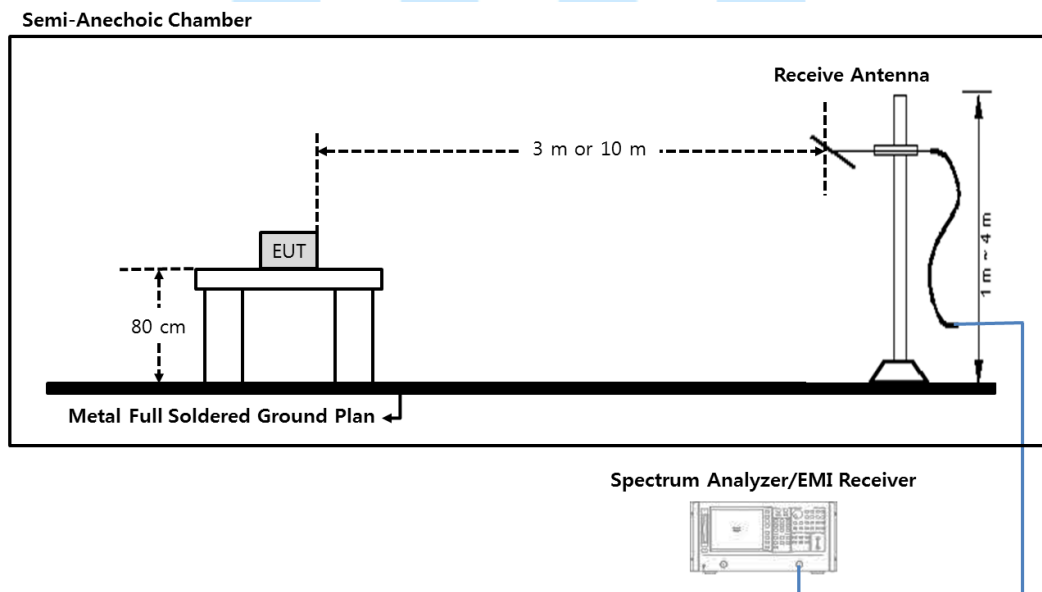


Fig 4. Configurations of Radiated emission test (30 MHz to 1 000 MHz)



7.3 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(10 m Anechoic Chamber)	Uncertainty	Remark
Radiated emission (30 MHz ~ 300 MHz, 10 m, Vertical)	4.77 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (30 MHz ~ 300 MHz, 10 m, Horizontal)	4.79 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (300 MHz ~ 1 000 MHz, 10 m, Vertical)	4.91 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (300 MHz ~ 1 000 MHz, 10 m, Horizontal)	4.90 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (1 000 MHz ~ 6 000 MHz, 3 m)	4.61 dB	Confidence level of approximately 95 % ($k = 2$)
Test items (3 m Anechoic Chamber)	Uncertainty	Remark
Radiated emission (30 MHz ~ 300 MHz, 3 m, Vertical)	4.90 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (30 MHz ~ 300 MHz, 3 m, Horizontal)	4.79 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (300 MHz ~ 1 000 MHz, 3 m, Vertical)	6.23 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (300 MHz ~ 1 000 MHz, 3 m, Horizontal)	5.16 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (1 GHz ~ 6 GHz, 3 m)	4.56 dB	Confidence level of approximately 95 % ($k = 2$)
Radiated emission (6 GHz ~ 18 GHz, 3 m)	4.88 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



7.4 Limit

Equipment	Operating frequency	RF Power generated by equipment (watts)	Field strength limit (uV/m)	Distance (meters)
Any type unless otherwise specified (miscellaneous)	Any ISM frequency	Below 500 500 or more	25 $25 \times \text{SQRT}(\text{power}/500)$	300 ¹ 300
	Any non-ISM frequency	Below 500 500 or more	15 $15 \times \text{SQRT}(\text{power}/500)$	300 ¹ 300
Industrial heaters and RF stabilized arc welders	On or below 5,725 MHz Above 5,725 MHz	Any Any	10 (²)	1,600 (²)
Medical diathermy	Any ISM frequency Any non-ISM frequency	Any Any	25 15	300 300
Ultrasonic	Below 490 kHz	Below 500 500 or more	$2,400/\text{F}(\text{kHz})$ $2,400/\text{F}(\text{kHz}) \times \text{SQRT}(\text{power}/500)$	300 ³ 300
	490 to 1,600 kHz Above 1,600 kHz	Any Any	$24,000/\text{F}(\text{kHz})$ 15	30 30
Induction cooking ranges	Below 90 kHz On or above 90 kHz	Any Any	1,500 300	⁴ 30 ⁴ 30

Note.

- 1) Field strength may not exceed 10 $\mu\text{V}/\text{m}$ 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.
- 2) Reduced to the greatest extent possible.
- 3) Field strength may not exceed 10 $\mu\text{V}/\text{m}$ at 1600 meters. Consumer equipment is not permitted the increase in field strength otherwise permitted here for over 500 watts.
- 4) Induction cooking ranges manufactured prior to February 1, 1980, shall be subject to the field strength limits for miscellaneous ISM equipment.



7.5 Test Equipment used

Model Name	Manufacturer	Description	Serial Number	Calibration Date
■ - ESR7	Rohde & Schwarz	EMI Test Receiver	101382	Apr. 01, 2026
■ - HFH2-Z2E	Rohde & Schwarz	Active Loop ANT	4110.2002.02-101246-bM	Apr. 13, 2026
■ - CO3000	Innco system GmbH	Position Controller	CO3000/779/330 50314/L	N/A
■ - DT3000	Innco system GmbH	Turntable	1280314	N/A
□ - MA4000-EP	Innco system GmbH	Antenna Mast	4420314	N/A
□ - MA4640-XP-ET	Innco system GmbH	Antenna Mast	MA4640/558	N/A
■ - EMC 32	Rohde & Schwarz	Software	Ver.10.60.20	N/A
■ - Chamber D	SYC Co., Ltd.	N/A	N/A	N/A

7.6 Test data for Radiated Emission

- Test Date : Jul. 28, 2026
- Measurement Distance : 10 m
- Note : Since the operating frequency of the EUT is below 1.705 MHz, the applicable scanning frequency range extends up to 30 MHz.

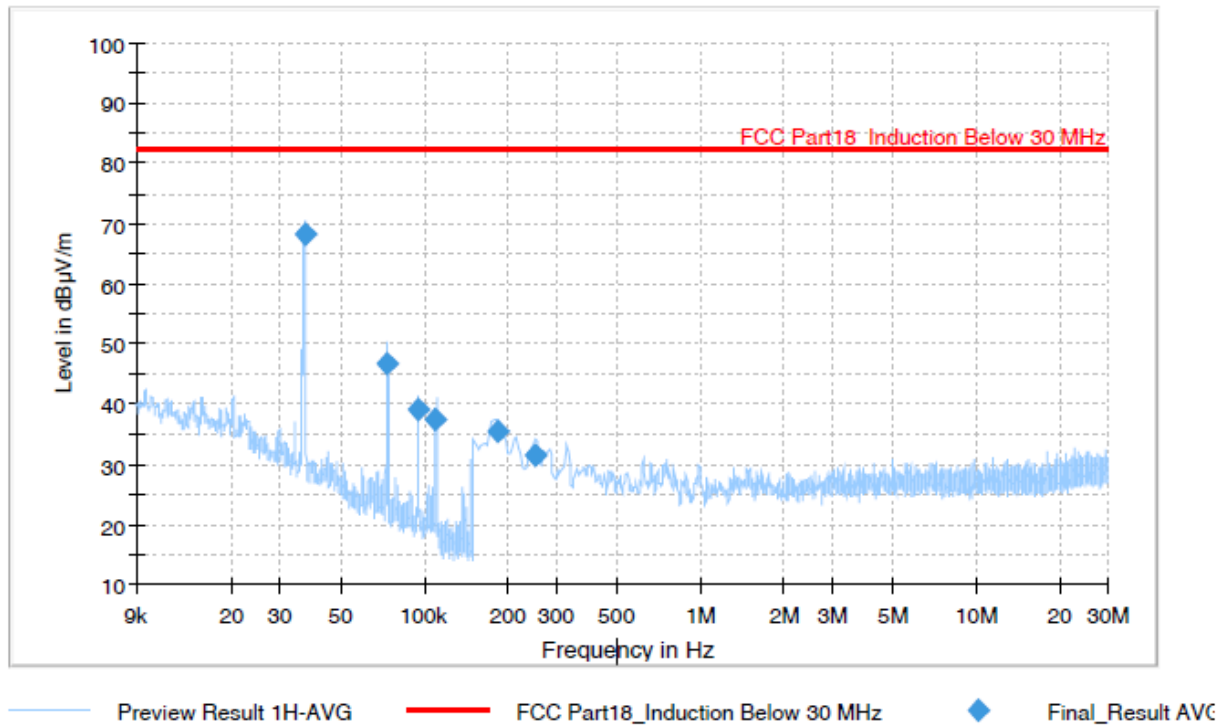
- Measurement setting

Frequency range	9 kHz ~ 150 kHz	0.15 MHz ~ 30 MHz
Detector mode	Average	Average
Resolution bandwidth	200 Hz	9 kHz



-. **Measurement Data:** Induction mode with WLAN
[AC 208 V, 60 Hz]

Cooking Element #1_H

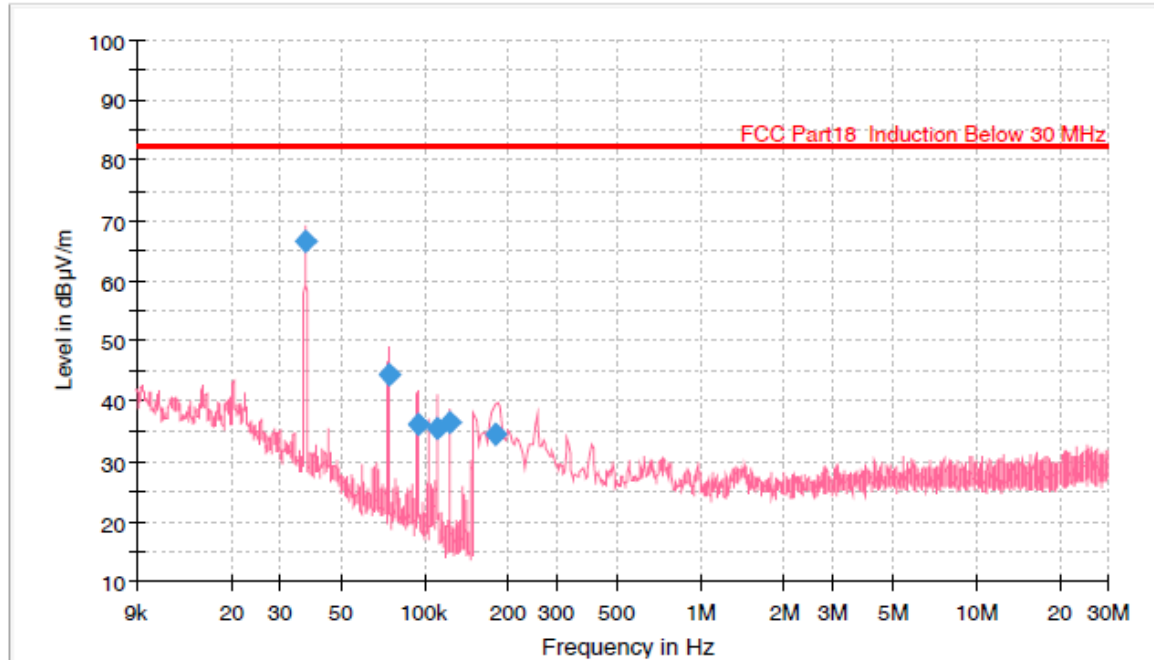


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036689	68.21	82.60	14.39	1000.0	0.200	H	153.0	20.6
0.073292	46.66	82.60	35.94	1000.0	0.200	H	153.0	20.5
0.094781	38.96	82.60	43.64	1000.0	0.200	H	261.0	20.4
0.109710	37.45	82.60	45.15	1000.0	0.200	H	153.0	20.4
0.183581	35.34	82.60	47.26	1000.0	9.000	H	162.0	20.5
0.250744	31.56	82.60	51.04	1000.0	9.000	H	327.0	20.5



Cooking Element #1_V



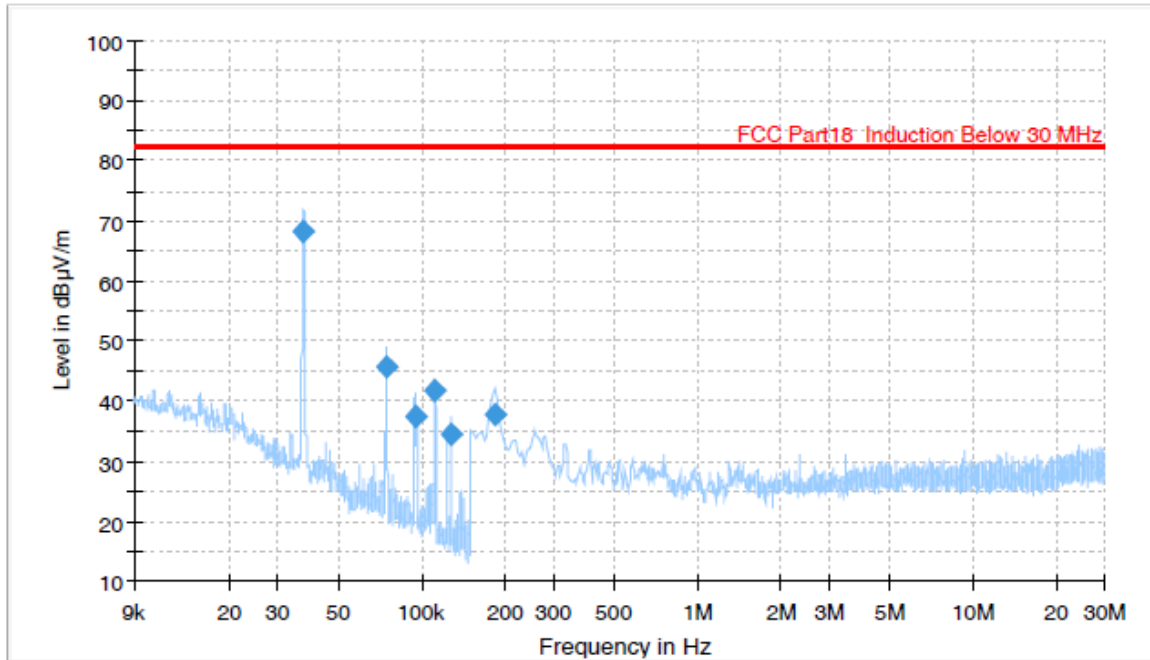
Preview Result 1V-AVG FCC Part18 Induction Below 30 MHz Final_Result AVG

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.037207	66.42	82.60	16.18	1000.0	0.200	V	231.0	20.6
0.073700	44.42	82.60	38.18	1000.0	0.200	V	50.0	20.5
0.094957	36.26	82.60	46.34	1000.0	0.200	V	267.0	20.4
0.110334	35.58	82.60	47.02	1000.0	0.200	V	93.0	20.4
0.123292	36.43	82.60	46.17	1000.0	0.200	V	0.0	20.4
0.180305	34.63	82.60	47.97	1000.0	9.000	V	27.0	20.5



Cooking Element #2_H



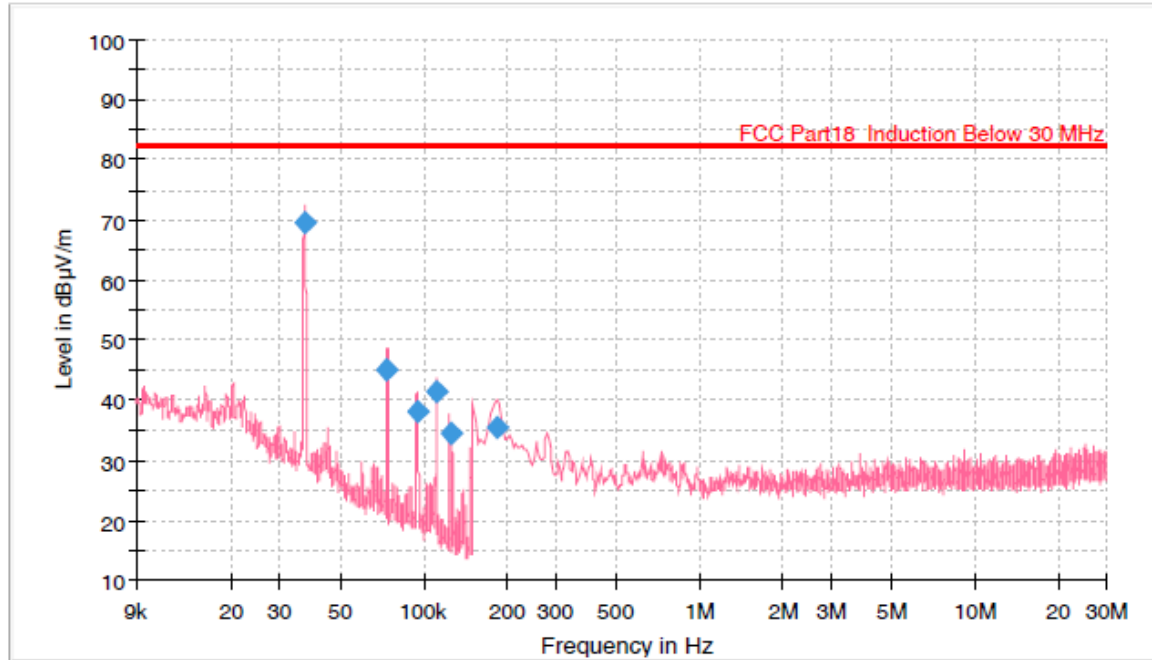
Preview Result 1H-AVG FCC Part18_Induction Below 30 MHz Final_Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036798	68.29	82.60	14.31	1000.0	0.200	H	89.0	20.6
0.074891	45.60	82.60	37.00	1000.0	0.200	H	89.0	20.5
0.094641	37.48	82.60	45.12	1000.0	0.200	H	352.0	20.4
0.111769	41.63	82.60	40.97	1000.0	0.200	H	89.0	20.4
0.127547	34.34	82.60	48.26	1000.0	0.200	H	318.0	20.4
0.185376	37.71	82.60	44.89	1000.0	9.000	H	273.0	20.5



Cooking Element #2_V



— Preview Result 1V-AVG — FCC Part18 Induction Below 30 MHz ◆ Final_Result AVG

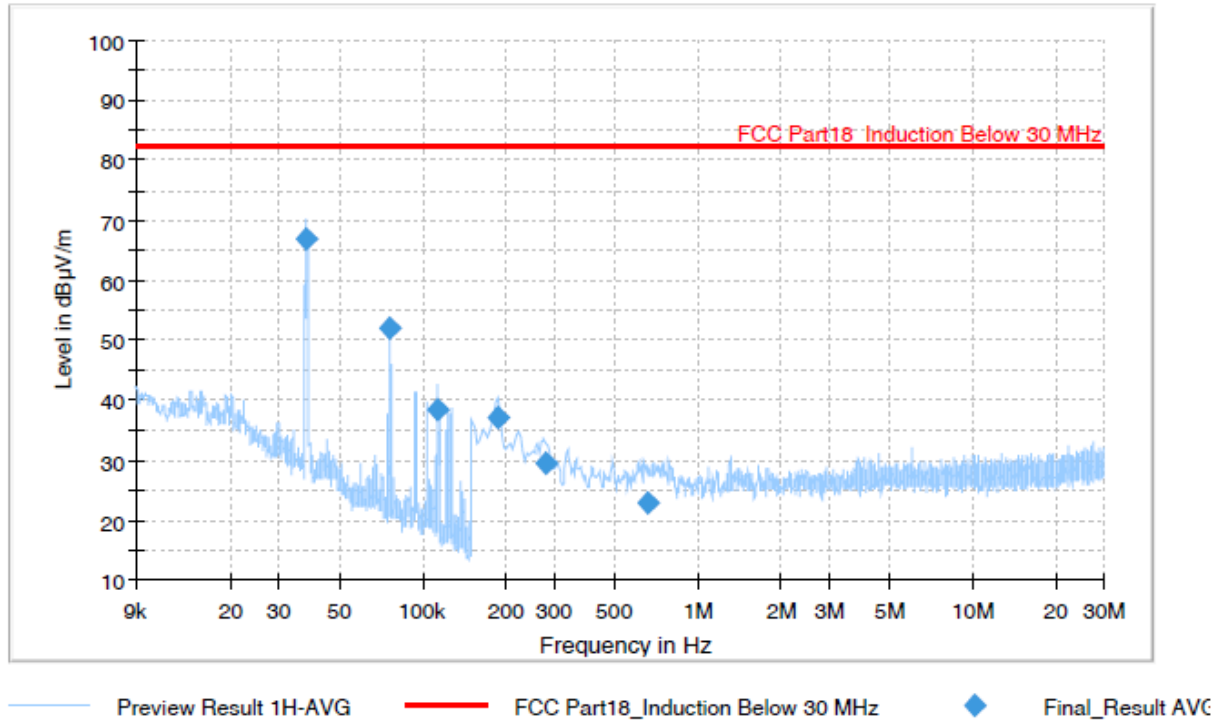
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.036721	69.53	82.60	13.07	1000.0	0.200	V	192.0	20.6
0.073443	44.93	82.60	37.67	1000.0	0.200	V	53.0	20.5
0.095361	37.98	82.60	44.62	1000.0	0.200	V	188.0	20.4
0.110145	41.44	82.60	41.16	1000.0	0.200	V	192.0	20.4
0.124754	34.46	82.60	48.14	1000.0	0.200	V	347.0	20.4
0.185475	35.55	82.60	47.05	1000.0	9.000	V	174.0	20.5



[AC 240 V, 60 Hz]

Cooking Element #1_H

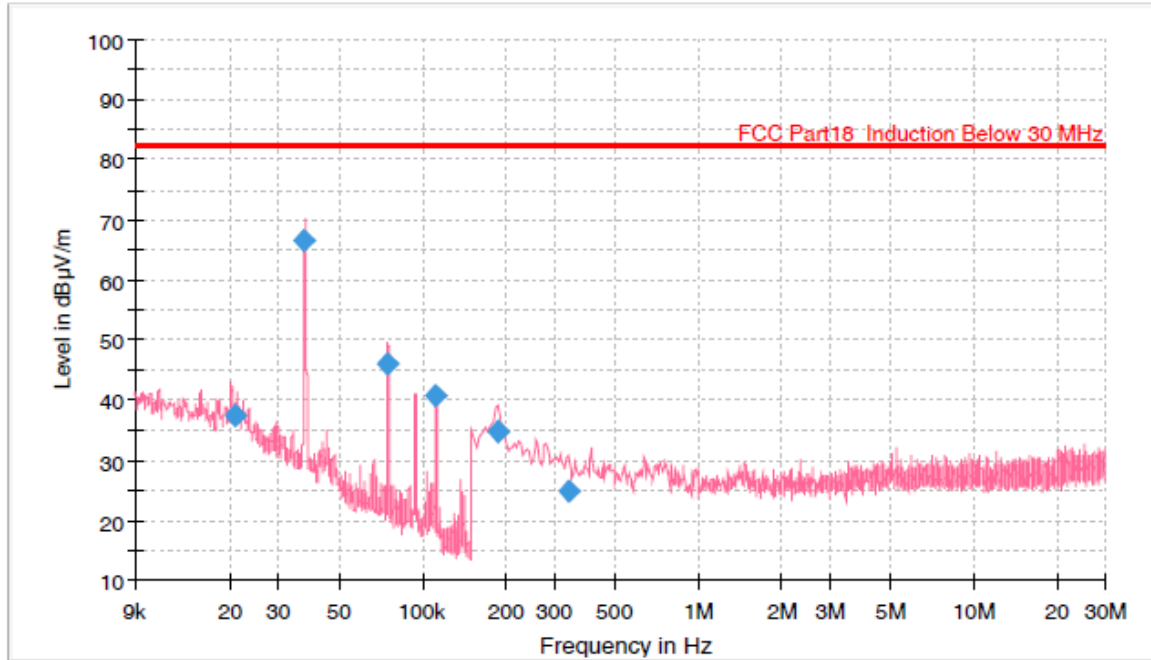


Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.037340	67.03	82.60	15.57	1000.0	0.200	H	146.0	20.6
0.075158	51.97	82.60	30.63	1000.0	0.200	H	146.0	20.5
0.113035	38.52	82.60	44.08	1000.0	0.200	H	134.0	20.4
0.186988	36.98	82.60	45.62	1000.0	9.000	H	240.0	20.5
0.278773	29.39	82.60	53.21	1000.0	9.000	H	337.0	20.5
0.659154	22.78	82.60	59.82	1000.0	9.000	H	203.0	20.6



Cooking Element #1_V



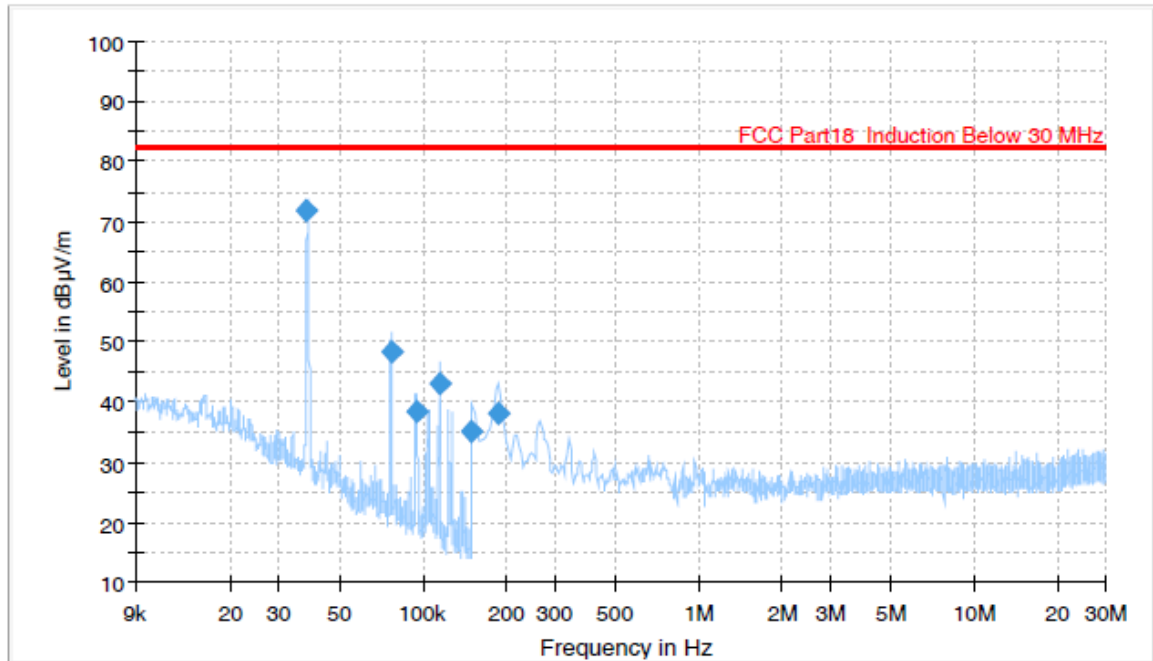
— Preview Result 1V-AVG — FCC Part18 Induction Below 30 MHz ◆ Final_Result AVG

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.020750	37.34	82.60	45.26	1000.0	0.200	V	349.0	20.4
0.037259	66.68	82.60	15.92	1000.0	0.200	V	228.0	20.6
0.074799	45.92	82.60	36.68	1000.0	0.200	V	54.0	20.5
0.111776	40.77	82.60	41.83	1000.0	0.200	V	228.0	20.4
0.186524	34.80	82.60	47.80	1000.0	9.000	V	321.0	20.5
0.336236	25.02	82.60	57.58	1000.0	9.000	V	131.0	20.5



Cooking Element #2_H



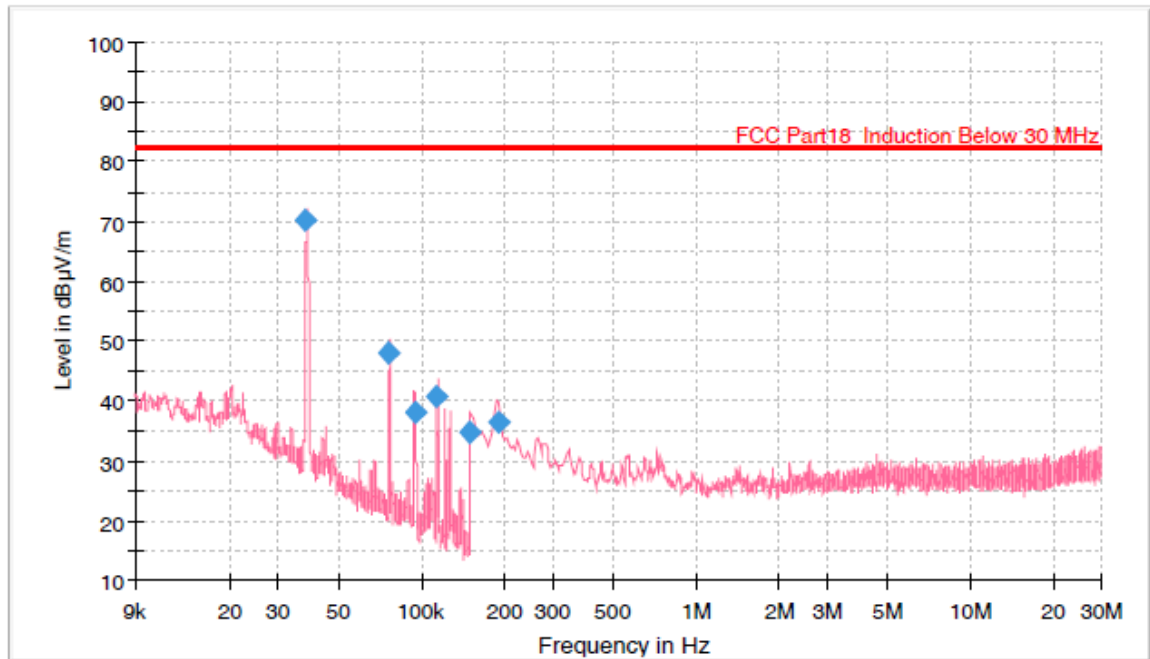
Preview Result 1H-AVG FCC Part18 Induction Below 30 MHz Final Result AVC

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.037924	71.77	82.60	10.83	1000.0	0.200	H	121.0	20.6
0.076871	48.34	82.60	34.26	1000.0	0.200	H	133.0	20.5
0.094841	38.48	82.60	44.12	1000.0	0.200	H	148.0	20.4
0.114715	42.95	82.60	39.65	1000.0	0.200	H	133.0	20.4
0.150000	35.20	82.60	47.40	1000.0	9.000	H	138.0	20.4
0.187313	38.14	82.60	44.46	1000.0	9.000	H	126.0	20.5



Cooking Element #2_V



Preview Result 1V-AVG FCC Part18 Induction Below 30 MHz Final_Result AVG

Final Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Pol	Azimuth (deg)	Corr. (dB/m)
0.037728	70.16	82.60	12.44	1000.0	0.200	V	189.0	20.6
0.075331	47.95	82.60	34.65	1000.0	0.200	V	53.0	20.5
0.094166	38.11	82.60	44.49	1000.0	0.200	V	146.0	20.4
0.113190	40.92	82.60	41.68	1000.0	0.200	V	53.0	20.4
0.150000	34.96	82.60	47.64	1000.0	9.000	V	218.0	20.5
0.190219	36.48	82.60	46.12	1000.0	9.000	V	339.0	20.5



Note.1 The worst case data were reported

And no other spurious and harmonic emissions were reported greater than listed emission above table

Note.2 “V”= Vertical and perpendicular to the centerline

“H” = horizontal (parallel to the ground)

Note.3 Cooking element

“1”= Front hob ,”2”= Rear hob





8. Sample Calculations

$$\begin{aligned} \text{dB}\mu\text{V} &= 20 \text{ Log}_{10}(\mu\text{V}/\text{m}) \\ \text{dB}\mu\text{V} &= \text{dBm} + 107 \\ \mu\text{V} &= 10^{(\text{dB}\mu\text{V}/20)} \end{aligned}$$

8.1 Example 1 :

■ 20.3 MHz

Class B Limit	= 250 μV = 48 dB μV
Reading	= 39.2 dB μV
$10^{(39.2\text{dB}\mu\text{V}/20)}$	= 91.2 μV
Margin	= 48 dB μV - 39.2 dB μV = 8.8 dB

8.2 Example 2 :

■ 66.7 MHz

Class B Limit	= 100 $\mu\text{V}/\text{m}$ = 40.0 dB $\mu\text{V}/\text{m}$
Reading	= 31.0 dB μV
Antenna Factor + Cable Loss	= 5.8 dB
Total	= 36.8 dB $\mu\text{V}/\text{m}$
Margin	= 40.0 dB $\mu\text{V}/\text{m}$ - 36.8 dB $\mu\text{V}/\text{m}$ = 3.2 dB



9. Recommendation & Conclusion

The data collected shows that the **HOUSEHOLD DUAL FUEL RANGE (Model Name: SKSDR360SIS)** was complies with §18.305 and 18.307 of the FCC Rules.

- The end -

